

Soap and Detergent Association
Consumer Product Ingestion Study
Data Summary
Pilot and Comprehensive Studies

Summary of Consumer Product Ingestions and the Impact
of These Exposures on the Patient Involving Soaps, Detergents, Other Fabric
Care Products, Household Care Products and Strong Acids, Bases
and Products Formulated From Them for the Periods
July 15 - October 14, 1975, and
February 1 - October 31, 1976

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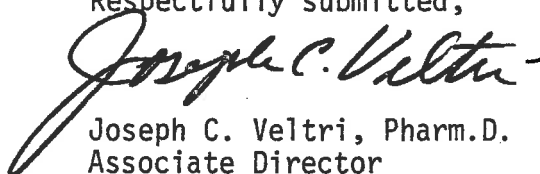
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Respectfully submitted,


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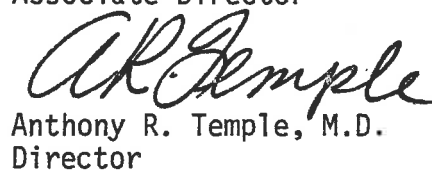

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TABLE OF CONTENTS

	<u>Page</u>
I. Statement of the problem	1
II. Methodology	3
A. Data Collection	3
B. Data Tabulation and Reporting	5
III. Results	7
A. Discussion of results pertaining to soaps, detergents, other fabric care products and household care products . .	9
B. Discussion of results pertaining to strong acids, bases and products formulated from them	17
IV. Summary	25
V. Data tabulation	
Section A: Summary of ingestion exposures to all study agents from both the pilot <u>and</u> comprehensive studies ex- cluding caustics	27
Section B: Summary of ingestion exposures to all study agents from both the pilot <u>and</u> comprehensive studies by individual product category	
Automatic dishwashing granules	34
Bar soaps	41
Bleaches	48
Dishwashing liquids	55
Fabric care products	62
Granular laundry detergents	69
Household care products	76
Liquid laundry detergents	83
Rug and upholstery shampoos	90
Shampoos	97
Strong acids, bases and products formulated from them	104
Section C: Summary of ingestion exposures to all study agents from the <u>pilot study</u> , excluding caustics	111
(Table C-1) Distribution of calls by day and time block, pilot study	118
(Table C-2) Frequency of calls by agent and time block at which symptoms subsided, pilot study. . .	119
(Table C-3 Summary: Frequency of calls by agent and time block at which symptoms subsided, pilot study	124

	<u>Page</u>
Section D: Summary of ingestion exposures to all study agents for the <u>pilot study</u> , by individual product category	
Automatic dishwashing granules	125
Bar soaps	132
Bleaches	139
Dishwashing liquids	146
Fabric care products	153
Granular laundry detergents	160
Household care products	167
Liquid laundry detergents	174
Rug and upholstery shampoos	181
Shampoos	188
Strong acids, bases and products formulated from them	195
(Table D-1) Frequency of calls by agent and time block at which symptoms subsided for strong acids, bases and products formulated from them, pilot study	202
Section E: Summary of ingestion exposures to all study agents from the <u>comprehensive study</u> , excluding caustics .	203
(Table E-1) Distribution of calls by day and time block, comprehensive study	210
(Table E-2) Frequency of calls by agent and time block at which symptoms subsided, comprehensive study	211
(Table E-3) Summary: Frequency of calls by agent and time block at which symptoms subsided, comprehensive study	216
Section F: Summary of ingestion exposures to all study agents from the <u>comprehensive study</u> , by individual product category	
Automatic dishwashing granules	217
Bar soaps	224
Bleaches	231
Dishwashing liquids	238
Fabric care products	245
Granular laundry detergents	252
Household care products	259
Liquid laundry detergents	266
Rug and upholstery shampoos	273
Strong acids, bases and products formulated from them	280
(Table F-1) Frequency of calls by agent and time block at which symptoms subsided for strong acids, bases and products formulated from them, comprehensive study	287

I. Statement of the Problem

Soaps, detergents, and other fabric care or household care products very frequently are involved in ingestion, skin or eye exposures. In fact, epidemiologic surveys would suggest that from 5 to 10% of reported toxic or potentially toxic exposures in children involve these products. Nonetheless, the degree of severity of the toxicity of these exposures has not been clearly elucidated. Thus, the purpose of this study was to assess the impact and outcome of ingestions involving certain soaps, detergents, other fabric care products and household care products, including ingestions of strong acids and bases for comparison.

From a toxicologic perspective, soaps, detergents, other fabric care products, and related household care products share some important characteristics in that: 1) they are high-use consumer products; 2) they are usually present in areas in the home where they are accessible to children; and 3) they may be irritating to human tissues. In addition, the majority of available information regarding the toxicity of these products is based upon animal data, which has yet to be compared to similar data for humans. It was in this context that it was felt that human experience data as reported to a poison control center could shed some light on the area of human toxicity.

The Intermountain Regional Poison Control Center (IRPCC) in Salt Lake City, Utah, was chosen as the site for the study because its case reporting system includes cases managed in the home as well as those seen in physician's offices and emergency facilities. Because the IRPCC has operated as a regional poisoning information resource for over six years, its involvement in the community makes it highly likely

that it will be consulted on a high proportion of cases. In fact, comparative data from various regional poison control centers indicate the IRPCC has the highest ratio of calls per 1000 population of such centers. In addition, telephone surveys of consumer awareness indicate a very high level of awareness of the IRPCC's services and a high level of utilization or probable utilization in cases of toxic exposures. This high utilization also is associated with a very high frequency of consultations from health care facilities in cases where serious toxicity occurs. Thus, it is felt that this type of reporting is representative of both the diversity of actual experience in the community and the severity of toxicity encountered in such exposures.

It is hoped that the data provided herein about exposures to soaps, detergents, fabric care products, and household care products thus can be compared to available animal data and will help identify the degree to which animal data can be related to human toxicity. Additionally, it is hoped the data will provide perspective to the toxicologic spectrum encountered in actual exposures to these products.

II. Methodology

A. Data Collection

At the time of initial contact, an Intermountain Regional Poison Control Center Report Form (Appendix A) is completed on all calls coming to the Center. A standardized format is used, following our Instructions for PCC Report Form (Appendix B). Cases for the study were selected from the calls coming to the IRPCC, using the following initial criteria:

- a. Exposure to any of the products designated by the SDA as study agents (Appendix C).
- b. Ingestion as the mode of exposure.
- c. Willingness to provide information necessary for completion of the IRPCC Report Form and the Soap and Detergent Association (SDA) Consumer Product Ingestion Follow-up Form. (Appendix D)

Cases involving designated study agents were excluded from the study if:

- a. The patient was unwilling to provide appropriate epidemiological data.
- b. The patient could not be contacted to obtain epidemiological data within the outlined time constraints.
- c. The patient demanded monetary remuneration for furnishing any of the data.
- d. There was any other factor which resulted in an incomplete case file.

Every effort was made to complete each case. However, when this was not possible, an explanation for the exclusions were documented and included in the report.

At no time did participation or non-participation affect our standard approaches to case management. In all cases, such emergency medical care as was appropriate was advised for the patient on location. Emergency room or physician referral were made whenever the situation warranted. Specific recommendations to physicians or other health professional callers similarly were made.

As a rule the following items were undertaken at the time of the initial call:

- a. As accurate and complete a history of the exposure as could be determined was obtained.
- b. An assessment of the toxicity of the agent and the severity of the exposure was made.
- c. Therapeutic recommendations, both emergency care and anticipatory advice, were given.

Follow-up calls were made during the first 30-60 minutes, about 2-4 hours later, and 24 hours later. At the time of the initial two follow-up calls, information was obtained to verify the previously obtained history, to further assess the status of the patient, and to determine if the initial therapy was satisfactory.

At the time of the 24 hour follow-up call, which was made by the IRPCC follow-up staff, the data necessary for completion of the SDA Consumer Product Ingestion Follow-up Form was collected. If the caller could not be reached at the time of the initial 24-hour follow-up, additional telephone contact was attempted three times a day for four days, with a call made in the morning, afternoon and evening. If telephone contact was not made after the first four days, further telephone contact was attempted one or two times daily for an additional eight days; if after 12 days telephone contact was not made the case was excluded from the study.

B. Data Tabulation and Reporting

The completed report forms were separated into individual case files, which then consisted of:

- a. A completed IRPCC Poisoning Report Form.
- b. A completed SDA Consumer Product Ingestion Follow-up Form.

The original case files remain at the IRPCC. Each of the individual case files was duplicated, with the patient's name deleted, and these copies were sent to the SDA for their review. At no time did the sponsor have any contact with the patients.

The data in the completed case files were tabulated monthly, with interim reports submitted for sponsor review and comments. Interim reports of the pilot and comprehensive studies were submitted for the periods:

Pilot Study

Comprehensive Study

- | | |
|-----------------------------------|--------------------------------|
| a. July 15 - July 31, 1975 | a. February 1 - April 30, 1976 |
| b. August 1 - August 31, 1975 | b. May 1 - July 31, 1976 |
| c. September 1 - October 14, 1975 | c. August 1 - October 31, 1976 |

Reporting of the data includes tabular summaries and a written commentary explaining the data. The data are tabulated according to product category, summarized across product categories and divided into both pilot study and comprehensive study. Section A is a tabulation of data of all ingestion exposures from both the pilot and comprehensive studies across all study agents excluding strong acids, bases and products formulated from them. Section B is a tabulation of data of all ingestion exposures from both the pilot and comprehensive studies by individual product category, including the category "Strong Acids, Bases and Products Formulated

From Them". Section C is a tabular summary of all ingestion exposures from the pilot study across all study agents excluding strong acids, bases and products formulated from them. Section D is tabular summaries from the pilot study of all ingestion exposures by individual product category. Section E is a tabular summary of all ingestion exposures from the comprehensive study across all study agents excluding strong acids, bases and products formulated from them. Section F is tabular summaries from the comprehensive study of all ingestion exposures by individual product category. The written commentary which follows is a discussion of the data found in Section A plus the data found in the category "Strong Acids, Bases and Products Formulated From Them" of Section B.

III. Results

The IRPCC received 20,494 calls during the period encompassed by both studies. One thousand three hundred fifty-eight (1358) cases involved exposures (all modes) to study agents, while 991 cases involved ingestion exposures to study products. Only 855 cases are reported herein. Of these 855 cases, 768 cases involved ingestion exposures to soaps, detergents, other fabric care products and household care products, while 87 cases involved ingestion exposures to strong acids, bases and products formulated from them. The frequency of calls to the IRPCC concerning ingestion exposures to study products compared to total calls to the Center is presented in the following table.

Breakdown of Calls to the IRPCC July 15 - October 14, 1975
and February 1 - October 31, 1976

Total Calls	20,494 (100%)
Total Calls Involving All Study Products Through All Modes of Exposure	1,358 (6.6%)
Total Calls Involving Ingestion Exposure to All Study Agents	991 (4.8%)
Total Ingestion Exposures Reported Herein	855 (4.2%)
Ingestion Exposures to Study Agents Excluding Strong Acids, Bases and Products Formulated From Them	768 (3.7%)
Automatic Dishwashing Detergents	56 (7.3%)
Bar Soaps	63 (8.2%)
Bleaches	140 (18.2%)
Dishwashing Liquids	49 (6.4%)
Fabric Care Products	48 (6.3%)
Granular Laundry Detergents	56 (7.3%)
Household Care Products	256 (33.3%)
Liquid Laundry Detergents	39 (5.1%)
Rug & Upholstery Shampoos	22 (2.9%)
Shampoos	39 (5.1%)
Ingestion Exposures to Strong Acids, Bases and Products Formulated From Them	87 (0.4%)

Only those ingestion cases for which we have completed report forms and follow-up forms were included in the report. Unfortunately, some cases could not be followed due to circumstances beyond our control. Specifically, 136 cases would have qualified for the study but had to be excluded despite vigorous efforts to gather follow-up information. Circumstances interfering with follow-up are outlined below:

Circumstances Resulting in Exclusion of Cases

<u>Telephone associated:</u>	<u>No. of Cases</u>
No answer at number given	37*
Wrong number given to staff	20
No personal telephone	22
No longer at number given	1
**	21
	<u>101</u>
<u>Refusals:</u>	
Hospital would not provide patient information	9
Mother requested no follow-up at initial call	1
Caller would not give follow-up information	1
Caller would not give patient's telephone number	1
Caller would not given any identifying information	1
	<u>13</u>
<u>Miscellaneous:</u>	
Unable to obtain telephone number at initial contact	17
Caller did not know patient's address or telephone number	1
Hospital in-patient; no epidemiological follow-up possible	2
Father not familiar with incident; mother unavailable	1
Family spoke no English	1
	<u>22</u>
Total	136

* Note: At least two calls per day for 12 days were made before the case was excluded.

** These 21 cases were from the pilot study and no specific reasons were provided other than "... and 21 cases involved either wrong phone numbers, disconnected phones or unavailable numbers."

A. Discussion of Results Pertaining to Soaps, Detergents, Other Fabric Care Products and Household Care Products

Cases were collected individually, summarized by specific product category, and then summarized across all product categories, excluding strong acids, bases and products formulated from them. The following is a discussion of the data summarized in Section A of the report.

Seven hundred sixty-eight (768) cases involved the ingestion of soaps, detergents, other fabric care products, and household care products wherein case files were complete. (See III above for explanation of those cases not included in this report.) Of these 768 cases, 14 (1.8%) were initiated through emergency rooms, 6 (0.8%) were initiated by physicians, 11 (1.4%) were initiated by para-professionals, and 737 (96.0%) were initiated by consumers. Four hundred twelve (53.6%) of these cases involved males, while 356 (46.4%) cases involved females. Six hundred ninety-three (90.2%) of these cases occurred in children under five years of age, 38 (5.0%) cases occurred in patients 5-17 years of age and 37 (4.8%) cases occurred in adults. Seven hundred fifty-seven (98.6%) cases were accidental and self-inflicted, while 11 (1.4%) cases involved an exposure inflicted by another person. In 689 (89.7%) cases it was estimated that less than one teaspoonful of product was ingested, in 65 (8.5%) cases it was estimated that 1-3 teaspoonsful of product was ingested, in 10 (1.3%) cases it was estimated that 1-3 table-spoonsful of product was ingested and in 4 (0.5%) cases it was estimated that 1/5-1/2 cupful of product was ingested.

Exposures involving these products were not evaluated as serious in most cases. In fact, in 555 (72.3%) cases patients were

reported to be normal while in only 213 (27.7%) cases patients were reported as abnormal at the time of the initial call to the Poison Control Center as observed by a medical doctor (8 cases), a para-professional (7 cases), or consumers (198 cases). It should be noted that under "effects of incident experienced by patient," data which are obtained during follow-up, a total of 287 (37.4%) cases reported symptoms. This is due to the fact that in 119 cases patients who initially reported no symptoms subsequently developed symptoms, while in 45 cases patients who initially reported symptoms failed to recall any symptoms either during or subsequent to the exposure when contacted during follow-up.

Management of most cases (720 cases, 93.8%) was provided at home, although 13 (1.7%) cases were already in an emergency room, 24 (3.1%) cases were referred by the Poison Control Center to emergency rooms, 5 (0.7%) cases were already in a physician's office, and 4 (0.5%) cases were referred by the Poison Control Center to personal physicians. In 2 (0.3%) cases the management is listed as other. In these cases the Poison Control Center recommended the patients be managed at home, but the patients sought physician evaluation on their own. In one case the patient (a child) was asymptomatic at the time of the initial call after ingesting less than a teaspoonful of disinfectant. Subsequently, the patient developed oral irritation and was taken to an emergency room. In the other case, the patient (a child) was initially observed by a paramedic to have vomited after ingesting a liquid bleach and home management was recommended by the Center, however, the patient's mother took the child to a personal physician.

Of the 720 cases managed at home, 52 (7.2%) cases did not require any treatment and were followed with observation only and

655 (91.0%) cases were managed with palliative therapies including demulcents, dilution and irrigation. In 7 (1.0%) cases the administration of syrup of ipecac was recommended by the Poison Control Center staff. In these cases emesis was induced because of the potential toxicity of phenol and pine oil in a household care product (2 cases), borate toxicity (3 cases), ethylene glycol toxicity (1 case), and gamma benzene hexachloride (1 case). In all cases induction of emesis was successful and patient recovery uneventful. In 6 (0.8%) cases (listed as other) the callers were advised to bathe the patient (2 cases) and to contact their private physicians if symptoms should develop (4 cases). In all these latter cases the patients remained asymptomatic and in no case was a physician contacted.

Forty-eight (6.3%) cases were already in, referred, or self-referred to emergency rooms or physician's offices and 47 of these patients arrived. Of the 47 patients who were evaluated and managed in emergency rooms or physicians's offices, 29 (61.7%) cases were symptomatic upon arrival and 17 (36.2%) cases were asymptomatic upon arrival. In one (2.1%) case the patient's status was unknown. No treatment was administered by medical personnel in 10 (21.3%) cases, while one (2.1%) case therapy of an unknown type was provided by medical personnel. The remaining 36 (76.6%) cases received various therapies including gastric lavage (3 cases), induction of emesis (6 cases), demulcents (22 cases), catharsis (2 cases) and activated charcoal (1 case). In 10 (27.0%) cases therapies (listed as other) included the administration of steroids (1 case), fluids (3 cases), dilution (3 cases), sodium thiosulfate plus demulcents (1 case), acetaminophen (1 case), and irrigation of the eye (1 case).

Following emergency room or physician evaluation and treatment, 42 (89.2%) cases were sent home, 2 (4.3%) cases were admitted to the hospital, one (2.1%) case was referred to another hospital, one (2.1%) case (listed as other) was referred to an ophthalmologist, and in one (2.1%) case the disposition of the patient from the medical facility was unknown.

Telephone follow-up of all cases revealed that 481 (62.6%) cases remained asymptomatic following their exposure while 287 (37.4%) cases either had symptoms at the time of the initial call or subsequently developed symptoms related to the ingestion. Specifically, in 11 (1.4%) cases patients experienced nausea, in 19 (2.5%) cases patients experienced abdominal pain, in 114 (14.8%) cases patients experienced diarrhea, in 125 (16.3%) cases patients experienced emesis, and in 72 (9.4%) cases patients experienced mucosal irritation. Sixty-four (51.2%) of cases reporting emesis experienced only one episode, 17 (13.6%) cases experienced two episodes, and 44 (35.2%) cases experienced three or more episodes of emesis. Of those cases experiencing mucosal irritation, oral or esophageal irritation was experienced in 56 (77.8%) cases as reported by consumers at follow-up, while oral ulcers were noted in 8 (11.1%) cases. In 15 (20.8%) cases (listed as other) patients reported oral discomfort without visible irritation (12 cases), a "burning feeling in the stomach" (1 case), and an ulcer on the tongue (1 case). In one additional case, the father of the patient (a child) reported the patient had white lips.

Of the 253 cases who were symptomatic and managed at home, follow-up revealed that in 112 (44.3%) of these cases symptoms subsided in less than one hour, in 25 (9.9%) cases symptoms subsided

in 1-4 hours, in 47 (18.6%) cases symptoms subsided in 4-12 hours, in 25 (10.3%) cases symptoms subsided in 12-24 hours, in 30 (11.9%) cases symptoms subsided in 24-96 hours, and in 13 (5.1%) cases greater than 96 hours were required for symptoms to subside.

Of the 34 cases who were symptomatic and managed in a health care facility, follow-up revealed that in 15 (44.1%) of these cases symptoms subsided in less than one hour, in 4 (11.8%) cases, symptoms subsided in 1-4 hours, in 3 (8.8%) cases symptoms subsided in 4-12 hours, in 3 (8.8%) cases symptoms subsided in 12-24 hours, in 8 (23.5%) cases symptoms subsided in 24-96 hours and in one (2.9%) case greater than 96 hours were required for symptoms to subside.

The majority of exposures occurred in the home. In fact, 732 (95.3%) of the exposures occurred in the home, while 25 (3.3%) exposures occurred outdoors, and 3 (0.4%) exposure occurred at a workplace. In 8 (1.0%) cases the place where the incident occurred was listed as other and included exposures which occurred in a store (2 cases), a laundromat (2 cases), a car (2 cases), a church (1 case), and in a nursing home (1 case). Of the 732 cases occurring in the home, exposure occurred most often in the kitchen (307 case, 41.9%), bathroom (233 cases, 31.8%), and laundry room (114 cases, 15.6%), which accounted for 654 (89.3%) of the cases. Twenty-two (3.0%) cases occurred in the basement, 22 (3.0%) cases occurred in the bedroom, 19 (2.6%) cases occurred in the living room, 2 (0.3%) cases occurred in the dining room, and 2 (0.3%) cases occurred in the family room. In 4 (0.5%) cases the room where the incident occurred was unknown. In 7 (1.0%) other cases the room where the incident occurred was listed as other and included a hallway (5 cases), a hall closet (1 case) and a stairway (1 case).

Four hundred fifteen (54.0%) cases involved products in their original container while 353 (46.0%) cases involved products not in their original container. Five hundred fifty-seven (73.8%) cases involved products as purchased, while 192 (25.0%) cases involved products diluted or dissolved in water. Six (0.8%) cases (listed as other) involved a product that had been through the automatic clothes dryer cycle (2 cases), diluted with grape juice (1 case), a product mixed with water and formula (1 case), a product mixed with coffee (1 case), and a product on a popsicle (1 case). In 3 (0.4%) cases the condition of the product at the time of the incident was unknown.

The type of original container for products involved in most exposures was a pour-out bottle or can (430 cases, 55.8%) or a carton or box (124 cases, 16.1%), which accounted for 554 (72.0%) cases. Fifty-eight (7.5%) cases involved products in non-spray squeeze bottles, 56 (7.3%) cases involved products in pressurized aerosol spray bottles or cans, 50 (6.5%) cases involved products in paper wrappers, and 32 (4.2%) cases involved products in non-pressurized spray bottles or cans. Nineteen (2.5%) cases (listed as other) involved products which were in plastic containers (7 cases), a plastic bag (3 cases), a large mouth can (2 cases), squeeze tube (3 cases), a jar (1 case), a pry-off can (1 case), in a plastic sampler bag (1 case), and a tear-open sampler package (1 case). In one (0.1%) case the type of container was unknown.

Three hundred fifty-three (45.8%) cases involved an exposure to a product with a cautionary statement on the container label which was noted by the consumer at follow-up, 218 (28.3%) cases involved an exposure to a product which, according to the consumer, did not have a cautionary statement on the container label. In 149 (19.4%) cases the caller remembered looking at the product label at the time

of the incident but did not notice a cautionary statement on the container label and the container had been discarded prior to contact by our follow-up staff. In 42 (5.5%) cases the caller did not know whether the product had a cautionary statement and the container had been discarded prior to contact by our follow-up staff. In 8 (1.0%) cases (listed as other) the product container did not have a label of any sort.

When the label on a product container included a cautionary statement (353 cases) the consumer had read the statement prior to the exposure in 173 (49.0%) cases, while in 165 (46.7%) cases the consumer had not read the cautionary statement prior to the exposure. In 12 (3.4%) cases it was unknown whether the parent/patient had read the cautionary statement prior to the exposure and in 3 (0.8%) cases (listed as other) the consumer knew there was a warning, but could not remember what it said.

Of the 353 products that did have cautionary labels, 281 (79.6%) products bore a "keep out of the reach of children" warning, 267 (75.6%) products bore a warning regarding ocular exposure, 248 (70.3%) products bore an ingestion warning, 123 (34.8%) products carried a warning regarding cutaneous exposure, 65 (18.4%) products carried a "do not use with toilet bowl cleaners" warning, and 10 (2.8%) products carried a "do not breathe vapor" warning. In 5 (1.4%) cases the existence of a cautionary label on the product was known, however, the type of cautionary warning was unknown. In 7 (2.0%) cases (listed as other) the label carried a "may cause burns" caution (3 cases), a "do not induce vomiting" caution (2 cases), a "harmful or fatal if swallowed" caution (1 case), and directions for the induction of emesis, presumably as part of an ingestion warning in one case.

Five hundred fifty-five (72.3%) cases involved products in use at the time of the exposure, 194 (25.3%) cases involved products in storage, in 16 (2.1%) cases the status of the product was unknown at the time of the exposure, and in 3 (0.4%) cases (listed as other) the product was neither in storage or use. In two of these cases the product had been spilled on the floor inadvertently, while the other case involved a product which had just been purchased and was still in the grocery bag. In 555 exposures that occurred while products were in use, 182 (32.8%) cases occurred while the product was on a sink or counter top, 102 (18.4%) cases occurred while the product was on the floor, 78 (14.1%) cases occurred while the product was at tubside or in the shower, 56 (10.1%) cases occurred while the product was on a table, 40 (7.2%) cases occurred while the product was on or in an automatic dishwasher, 30 (5.4%) cases occurred while the product was on or in a clothes washer or dryer, and 13 (2.3%) cases occurred while the product was in the toilet bowl. In 2 (0.4%) cases the location of the product was unknown. Fifty-two (9.4%) cases (listed as other) involving products in use at the time of the exposure included products in the hand (11 cases), in a sink (8 cases), in a diaper pail (5 cases), on the back of the toilet (4 cases), on a chair (3 cases), in a tub (3 cases), on a car seat (2 cases), in a glass (2 cases), on a sofa (2 cases), in or on a clothes hamper (2 cases), on a stereo (1 case), on a bed (1 case), in a toy bubble pipe (1 case), in a water-fall (1 case), on a stove (1 case), on a piano (1 case), on a parent's lap (1 case), inside an emesis basin (1 case) on the ground (1 case) and on a low shelf (1 case). In 194 exposures that occurred with products in storage, 92 (47.4%) cases involved products stored under the sink, 39 (20.1%) cases involved products

stored on shelves higher than three feet, 21 (10.8%) cases involved products that had been placed in the garbage, 19 (9.8%) cases involved products stored on shelves lower than three feet, 3 (1.5%) cases involved products stored at tubside or in the shower, 2 (1.0%) cases involved products on a window sill, one (0.5%) case involved a product in the medicine chest, and one (0.5%) case involved a product on the closet floor. Sixteen (8.2%) cases (listed as other) involved products stored on the floor (12 cases), on a table (2 cases), in a refrigerator (1 case) and on top of a freezer (1 case).

B. Discussion of Results Pertaining to Strong Acids, Bases and Products Formulated From Them

The following is a discussion of the data summarized in Section B of the report. Eighty-seven cases involved the ingestion of strong acids, bases and products formulated from them. Of the 87 cases, 4 (4.6%) cases were initiated by emergency room personnel, one (1.1%) case was initiated by a physician, and 82 (94.3%) cases were initiated by consumers. Thirty-seven (42.5%) cases involved males while 50 (57.5%) cases involved females. Seventy-three (84.0%) cases involved children under seven years of age, 4 (4.6%) cases involved patients 7-17 years of age, and 10 (11.5%) cases involved adults. Eighty-six (98.9%) cases were accidental and self-inflicted while one (1.1%) case involved an exposure inflicted by another person. In 73 (83.9%) cases it was estimated that less than one teaspoonful of product was ingested, in 11 (12.6%) cases it was estimated that 1-3 teaspoonsful of product were ingested, in one (1.1%) case it was estimated that 1-3 tablespoonsful of product were ingested and in 2 (2.3%) cases it was estimated that 1/5 - 1/2 cupful of product was ingested.

In spite of the nature of the substances involved, 55 (62.3%) cases involved patients who were asymptomatic at the time of the initial call to the Poison Control Center, while 32 (36.8%) cases involved patients symptomatic at the initial call. All symptom observations were made by consumers with the exception of one symptomatic case and 3 asymptomatic cases where the observations were made by a medical doctor. It should be noted that under "effects of incident experienced by patient", data for which are obtained during follow-up, a total of 30 (34.5%) cases reported symptoms. In 2 cases, patients who initially reported no symptoms, subsequently developed symptoms, and in 4 cases patients who initially reported symptoms failed to recall any symptoms either during or subsequent to the exposure when contacted during follow-up.

Management of most cases (65 cases, 74.7%) was provided at home although 4 (4.6%) cases were already in an emergency room, 13 (14.9%) cases were referred by the Poison Control Center to emergency rooms (all arrived), and 2 (2.3%) cases were referred by the Poison Control Center to personal physicians (all arrived). In 3 (3.4%) cases the managements are listed as other and included one case in which a three year old female who was suspected to have ingested less than a teaspoonful of a toilet bowl cleaner, was initially assessed as asymptomatic and managed at home. However, the parents decided to take the child to an emergency room where she remained asymptomatic and was sent home. The other case involved a 30 year old female who mistook a drain cleaner for a mouth wash. The patient was referred, by the Poison Control Center, to a private physician but was not seen by the physician. The patient subsequently went to a gastroenterologist approximately 18 hours after the exposure. This physician performed an esophagoscopy

which revealed no esophageal burns. The patient was subsequently managed as an out-patient by the gastroenterologist. The third case involved a 2 year old female whose parents called the Poison Control Center within minutes after the child had ingested an unknown (probably less than 5 ml,) amount of an unknown acid. The child initially coughed but stopped shortly after the exposure and by the time the parents called the Center, the child was asymptomatic. The child was managed at home with dilution, demulcents and observation. However, approximately one hour after the exposure the child became nauseated and vomited some "coffee ground" material. The child was subsequently taken to a local emergency room. The emergency room personnel contacted the Center and the patient was then transferred to University of Utah Medical Center where she was admitted for 2 days. Following discharge to home the patient continued to experience intermittent episodes of emesis and 18 days after the exposure the child was readmitted to the hospital (PCH). The child had endoscopy performed the following day and scar tissue was found in the pre-pyloric region. The patient underwent corrective surgery the following day. The child has subsequently recovered and is doing well. The first two cases are tabulated as unknown in the "emergency room and physician management" part of Section B.

Of the 65 cases managed at home, 9 (13.8%) did not require any treatment and were followed with observation only, while 53 (60.9%) were managed at home with palliative therapies including demulcents, dilution and irrigation. In 3 (4.6%) cases at home therapies (listed as other) included washing hands (1 case), and consulting medical personnel if symptoms developed (2 cases). The remaining 22 cases were evaluated and managed by a medical

practitioner. Of these 22 cases, initial patient status, treatment and disposition data were obtained in 20 cases. Patients were initially noted to be asymptomatic in 5 (22.7%) cases and symptomatic in 15 (68.2%) cases. In two (18.2%) cases the data are recorded as unknown. (See p.p. 18-19 for a description of these cases.) No treatment was given by the medical personnel in 3 (13.6%) cases. In 10 (45.5%) cases demulcents were given while 8 (36.4%) cases received treatments not specifically listed but which included dilution or irrigation (5 cases), administration of fluids (1 case), irrigation followed by esophagoscopy (3 cases), and referral for esophagoscopy (3 cases). In 3 (13.6%) cases the type of therapy provided was unknown. In 12 (54.5%) cases patients were sent home following initial evaluation and treatment, while in 8 (36.4%) cases patients were subsequently admitted to a hospital as inpatients. In 2 (9.1%) cases, the patients disposition was unknown.

Telephone follow-up of all cases revealed that in 57 (65.5%) cases consumers reported developing no symptoms following their exposure while in 30 (34.5%) cases patients reported symptoms which they related to the exposure. Specifically, in 5 (5.7%) cases the patients experienced emesis, in 2 (2.3%) cases the patients experienced diarrhea, and in 28 (32.2%) cases patients experienced mucosal irritation. Of those patients experiencing emesis, 2 cases reported experiencing one episode, 2 cases reported experiencing 2 episodes, and one case reported experiencing 3 or more episodes. Of those patients experiencing mucosal effects, oral or esophageal irritation was experienced in 14 (50.0%) cases, while oral ulcers were noted in 12 (42.9%) cases as reported by consumers at follow-up. Four (14.3%) cases (listed as other) reported oral discomfort without visible irritation (2 cases), a "sore throat" (1 case) and an oral "burn" (1 case).

In 14 (16.1%) cases patients reported symptoms and were managed at home. In these cases symptoms subsided in less than one hour in one (7.2%) case, 1-4 hours in one (7.2%) case, 4-12 hours in 5 (35.7%) cases, 12-24 hours in one (7.2%) case, and 24-96 hours in 4 (28.6%) cases. In 2 (14.3%) cases greater than 96 hours were required for symptoms to subside. Of the 16 (18.4%) symptomatic cases seen in an emergency room or physician's office, symptoms subsided in less than one hour in one (6.3%) case, in 4-12 hours in one (6.3%) case, in 12-24 hours in two (12.5%) cases, and in 24-96 hours in two (12.5%) cases. In 10 (62.5%) cases symptoms required greater than 96 hours to subside.

Seventy-three (83.9%) cases occurred within the home, 12 (13.8%) cases occurred outdoors, one (1.1%) case occurred in a workplace, and one (1.1%) case (listed as other) occurred outdoors by a swimming pool. Of the cases occurring within the home, 37 (50.7%) cases occurred in the kitchen, 27 (37.0%) cases occurred in the bathroom, 3 (4.1%) cases occurred in the basement, one (1.4%) case occurred in the living room, and one (1.4%) case occurred in the laundry room. In 2 (2.7%) cases the room where the incident occurred was unknown, and in 2 (2.7%) cases (listed as other) the incident occurred in a hallway (1 case) and in a "spare" room (1 case).

Thirty-seven (42.5%) cases involved products in their original containers while 50 (57.5%) cases involved products not in their original containers. Fifty-five (63.2%) cases involved products diluted or dissolved in water, and one (1.1%) case (listed as other) involved an exposure to a product placed on ice cream. In one (1.1%) case the condition of the product was unknown.

Forty-one (47.1%) cases involved products originally packaged in pour-out bottles or cans, 13 (14.9%) cases involved

products in aerosol spray bottles or cans, 10 (11.5%) cases involved products in non-spray squeeze bottles, 10 (11.5%) cases involved products in cartons or boxes, and 9 (10.3%) cases (listed as other) involved products in a glass ampule (3 cases), a plastic bag (3 cases), a paper bag (2 cases), and attached to a paper card (1 case). In 4 (4.6%) cases the type of container used to store the product was unknown.

Sixty-eight (78.2%) cases involved an exposure to a product with a cautionary statement on the container label which was noted by the consumer at follow-up and one (1.1%) case involved an exposure to a product, which according to the consumer, did not have a cautionary statement on the container label. In 7 (8.0%) cases the caller remembered looking at the product label at the time of the incident but did not notice a cautionary statement on the container label and the container had been discarded prior to contact by our follow-up staff. In 11 (12.6%) cases the caller did not know whether the product container had a cautionary statement and the container had been discarded prior to contact by our follow-up staff.

When a product container had a cautionary statement affixed to the label (68 cases) the consumer had read the statement prior to the exposure in 32 (47.1%) cases, while in 32 (47.1%) cases the consumer had not read the cautionary statement prior to the exposure. In 4 (5.9%) cases (listed as other) the consumer "knew the product was dangerous" (3 cases) and a response was not recorded (1 case). Of the 68 products that did have a cautionary label affixed to the container, 59 (86.8%) products contained an ingestion warning, 56 (82.4%) products contained a warning regarding ocular exposure, 43 (63.2%) products contained a warning regarding cutaneous exposure,

38 (55.9%) products contained a "keep out of the reach of children" warning, 9 (13.2%) products contained a "do not use with bleach" warning, and 7 (10.3%) products contained a "do not breathe vapor" warning. In 3 (4.4%) cases, the existence of a cautionary label on the product was known, but the type of warning was unknown.

Sixty-two (71.3%) cases involved products in use at the time of the exposure while 23 (26.4%) cases involved products in storage at the time. In one (1.1%) case the status of the product was unknown at the time of the exposure, and in one (1.1%) case (listed as other) the product was in the car presumably in transport to the consumer's home. Of the 62 exposures that occurred while the product was in use, 18 (29.0%) cases occurred while the product was on a sink or countertop, 13 (21.0%) cases occurred while the product was in the toilet bowl, 6 (9.7%) cases occurred while the product was in an oven, 6 (9.7%) cases occurred while the product was on a table, 5 (8.1%) cases occurred while the product was on the floor, and in one (1.6%) case the incident occurred while the product was at tubside or in the shower. Thirteen (21.0%) cases (listed as other) involving products in use at the time of the exposure include products on the back of the toilet (3 cases), in the sink (2 cases), in the bed of a truck (2 cases), on the porch (1 case), at poolside (1 case), on a desk (1 case), on a work bench (1 case), in the trunk of a car (1 case), and on ice cream (1 case). Of the 23 exposures that occurred with products in storage, 7 (30.4%) cases involved products that had been placed in the garbage, 5 (21.7%) cases involved products stored under the sink, 2 (8.7%) cases involved products stored on a shelf lower than three feet,

2 (8.7%) cases involved products stored on a shelf higher than three feet, and 2 (8.7%) cases involved a product stored in a medicine chest. Five (21.7%) cases (listed as other) involving products in storage at the time of the exposure include products in the garage (1 case), under a carseat (1 case), in a coffee pot (1 case), on a patio (1 case), and on a shelf in a grocery store (1 case).

V. Summary

During the study period, July 15, 1975 through October 14, 1975 and February 1, 1976 through October 31, 1976, the Intermountain Regional Poison Control Center received 20,494 calls of which 991 cases (4.8% of all calls) involved an ingestion exposure to a soap, detergent, other fabric care product, household care product, and a strong acid, base or product formulated from them. Attempts were made to follow these cases to collect information on patient variables, medical management, patient outcome and certain epidemiological data related to the circumstances surrounding the exposure. Enough data for complete case files were obtained in 855 (86.3%) of these cases. The data obtained from those cases were tabulated and reported herein. To allow more reasonable comparison of the results, data pertaining to 87 cases involving the ingestion of strong acids, bases and products formulated from them have been tabulated, reported and discussed separately. It is felt that the use of these data from a regional poison control program, with a high level of utilization by consumers and health professionals, is representative of both the actual experience in the community as well as the severity of toxicity encountered.

Review of the 768 cases involving ingestions of soaps, detergents, other fabric care products, and household care products indicates that these products do not possess a high degree of potential for causing serious personal injury when involved in exposures comparable to the cases reported herein. In the majority of cases (62.6%) patients reported no effects subsequent to their exposure, while the effects were minimal in the vast majority (88.9%) of the symptomatic cases. Specifically, 255 of the 287 patients who experienced adverse effects subsequent to their ingestions reported that the symptoms subsided within one day. Furthermore, in the vast majority of exposures (93.8%)

we were able to manage the case at home with prompt, simple first-aid measures. However, 52 cases did involve patients who experienced adverse effects that required greater than 24 hours to subside and as such need to be reviewed carefully.

Review of the cases involving strong acids, bases and products formulated from them suggests that these products possess a higher degree of potential for causing serious personal injury than soaps, detergents, other fabric care products and household care products when involved in exposures comparable to the cases reported herein. While the majority of cases (65.5%) reported no effects subsequent to their exposure, those patients that did experience symptoms had greater morbidity in terms of degree of damage and duration of symptoms. Specifically, of the 30 patients who experienced adverse effects subsequent to their ingestion, 40.0% required greater than 96 hours for symptoms to subside while only 40.0% of the patients noted that the symptoms subsided within 24 hours.

SECTION A

Pilot and Comprehensive Studies

Summary of Ingestion Exposures to All Study Agents Except Caustics

Total Number of Calls Received by IRPCC for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976 20,494

Total Number of Calls Involving Exposures to Study Products (Ingestion, Inhalation, Percutaneous, Ocular, Other) for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976 1,358

Total Number of Calls Involving Ingestion Exposures to Study Products and Included in the Soap and Detergent Association Project for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976 768*

<u>Calls by Source:</u>	768	100.0%
Emergency room	14	1.8%
Physician	6	0.8%
Paraprofessional	11	1.4%
Consumer	737	96.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	54	177	108	30	11	11	3	3	15	0	412	53.6
Female	45	152	85	27	4	7	2	12	22	0	356	46.4
Sex N/R												
Total By Age	99	329	193	57	15	18	5	15	37	0	768	
% of Total	12.9	42.8	25.1	7.4	2.0	2.3	0.7	2.0	4.8	0		100.0

* These data are a summary of all ingestion exposures to study agents except caustics.

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	4	7	544	555	72.3
Abnormal	8	7	198	213	27.7
Unknown					
Total by Observer	12	14	742	Total = 768	
% of Total	1.6	1.8	96.6		

Management:

At home:	720	93.8%
Observation only	52	7.2%
Ipecac	7	1.0%
Demulcents	487	67.6%
Dilution	276	38.3%
Irrigation	44	6.1%
Other	6	0.8%
Already in emergency room:	13	1.7%
Referred to emergency room:	24	3.1%
Notified ER	17	70.8%
Patient arrived	24	100.0%
Patient did not arrive	0	
Home care prior to referral:	7	29.2%
Ipecac	0	
Demulcent	7	100.0%
Irrigation	0	
Other	0	
Already in physician's office:	5	0.7%
Sent to personal physician:	4	0.5%
Notified physician	1	25.0%
Patient arrived	3	75.0%
Patient did not arrive	1	25.0%
Home care prior to referral:	4	100.0%
Ipecac	1	25.0%
Demulcents	1	25.0%
Irrigation	2	50.0%
Other	1	25.0%
Other	2*	0.3%

* In both these cases patients were self referred to a health care facility after home management and are included in the tabulation on the following page.

Emergency Room and Physician Management:

Patient status:	47*		100.0%
Asymptomatic		17	6.3%
Symptomatic		29	61.7%
Unknown		1	2.1%
Does not apply		0	
Treatment:	47		100.0%
None		10	21.3%
Demulcents		22	46.8%
Lavage		3	6.4%
Emesis		6	12.8%
Activated charcoal		1	2.1%
Cathartics		2	4.3%
Antidotes		0	
Other		10	21.3%
Unknown		1	2.1%
Disposition:	47		100.0%
Sent home		42	89.4%
Admitted to hospital		2	4.3%
Referred to another hospital		1	2.1%
Agency referral		0	
Unknown		1	2.1%
Other		1	2.1%

* One patient was referred to a health care facility and failed to arrive, thus only 47 patients were evaluated and initially managed in a health care facility.

Place Where Incident Occurred:

Home	732	95.3%
Outdoors	25	3.3%
School	0	
Workplace	3	0.4%
Unknown	0	
Other	8	1.0%

If in Home, Room:

Kitchen	307	41.9%
Dining room	2	0.3%
Living room	19	2.6%
Bathroom	233	31.8%
Bedroom	22	3.0%
Family room	2	0.3%
Laundry room	114	15.6%
Basement	22	3.0%
Garage	0	
Unknown	4	0.5%
Other	7	1.0%

Patient Seen in Emergency Room:

Yes	38	4.9%
No	730	95.1%

Type of Container:*

Pour-out bottle/can	430	55.8%
Squeeze bottle (non-spray)	58	7.5%
Spray bottle/can (non-pressurized)	32	4.2%
Aerosol spray bottle/can (pressurized)	56	7.3%
Carton/box	124	16.1%
Paper wrapper	50	6.5%
Unknown	1	0.1%
Other	19	2.5%

Product in Original Container:

Yes	415	54.0%
No	353	46.0%

Condition of Product:

As purchased	567	73.8%
Diluted/dissolved in water	192	25.0%
Other	6	0.8%
Unknown	3	0.4%

* Data from 2 exposures involving mixed products are tabulated here; therefore, n = 770, rather than 768.

Warning Label On Product: *

Yes	353	45.8%
Type of warning:		
Ingestion	248	70.3%
Eye	267	75.6%
Skin	123	34.8%
Keep out of reach of children	281	79.6%
Do not use with toilet bowl cleaners	65	18.4%
Do not breathe vapor	10	2.8%
Do not use with bleach	0	
Did not notice	0	
Unknown	5	1.4%
Other	7	2.0%
Had patient/parent read warning prior to accident:		
Yes	173	49.0%
No	165	46.7%
Other	3	0.8%
Unknown	12	3.4%
No	218	28.3%
Did not notice	149	19.4%
Unknown	42	5.5%
Other	8	1.0%

Product Status at Time of Incident:

In use:	555	72.3%
On floor	102	18.4%
On sink/counter top	182	32.8%
On table	56	10.1%
On washer/dryer	30	5.4%
Tubside/shower	78	14.1%
Oven	0	
Dishwasher	40	7.2%
Toilet bowl	13	2.3%
Other	52	9.4%
Unknown	2	0.4%
In storage:	194	25.3%
On low shelves (<3' high)	19	9.8%
On high shelves (>3' high)	39	20.1%
Medicine chest	1	0.5%
Closet floor	1	0.5%
Under sink	92	47.4%
On window sill	2	1.0%
Tubside/shower	3	1.5%
Garbage	21	10.8%
Other	16	8.2%
Unknown	16	2.1%
Other	3	0.4%

* Data from 2 exposures involving mixed products are tabulated here, therefore N = 770, rather than 768.

If More Than One Product Involved, Were Products:

Separate	2	16.7%
Mixed	10	83.3%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	689	89.7%
1-3 teaspoonsful	65	8.5%
1-3 tablespoonsful	10	1.3%
1/5-1/2 cupful	4	0.5%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	757	98.6%
Inflicted by another person	11	1.4%

Type of Initial Treatment Given After Exposure:

None	28	3.6%
Gave water or milk	723	94.1%
Gave an emetic	7	0.9%
Unknown	7	0.9%
Other home treatment or first-aid	31	4.0%

Basis for Initial Treatment Given:

None (no specific reason)	18	2.3%
Information on product label	62	8.1%
Advice from poison control center	524	68.2%
Advice from physician	13	1.7%
Person judgement	303	39.5%
Advice from non-professional	4	0.5%
Unknown	4	0.5%
Other	7	0.9%

Effects of Incident Experienced by Patient:

None	481	62.6%
Nausea	11	1.4%
Abdominal pain	19	2.5%
Emesis	125	16.3%
Number of episodes:		
1	64	51.2%
2	17	13.6%
3 or more	44	35.2%
Diarrhea	114	14.8%
Mucosal effects:	72	9.4%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	44	8	0	13
Esophagus	12	0	0	0
Stomach	0	0	0	1
Other (Specify)	0	1	0	0

Time Required for Symptoms to Subside:

If managed at home:	253	32.9%
<1 hour	112	44.3%
1-4 hours	25	9.9%
4-12 hours	47	18.6%
12-24 hours	26	10.3%
24-96 hours	30	11.9%
>96 hours	13	5.1%
If seen in emergency room or physician's office:	34	4.4%
<1 hour	15	44.1%
1-4 hours	4	11.8%
4-12 hours	3	8.8%
12-24 hours	3	8.8%
24-96 hours	8	23.5%
>96 hours	1	2.9%

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by Individual Product Category

Total Number of Reports in the Category, AUTOMATIC DISHWASHING GRANULES, 06600000, for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976

56

<u>Calls by Source:</u>	56	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	56	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	8	11	3	2	0	2	0	0	0		26	46.4
Female	6	14	5	2	0	0	0	0	3		30	53.6
Sex N/R												
Total By Age	14	25	8	4	0	2	0	0	3		56	
% of Total	25.0	44.6	14.3	7.1	0	3.6	0	0	5.4			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			42	42	75.0
Abnormal			14	14	25.0
Unknown					
Total by Observer			56	Total = 56	
% of Total			100.0		

Management:

At home:	49		87.5%
Observation only		1	2.0%
Ipecac		0	
Demulcents		35	71.4%
Dilution		24	49.0%
Irrigation		6	12.2%
Other		1	2.0%
Already in emergency room:	0		
Referred to emergency room:	6		10.7%
Notified ER		5	83.3%
Patient arrived		6	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	16.7%
Ipecac		0	
Demulcent		0	
Irrigation		1	100.0%
Other		1	100.0%
Already in physician's office:	0		
Sent to personal physician:	1		1.8%
Notified physician		0	
Patient arrived		0	
Patient did not arrive		1	100.0%
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		0	
Irrigation		1	100.0%
Other		1	100.0%
Other	0		

Emergency Room and Physician Management:

Patient status:	6		10.7%
Asymptomatic		2	33.3%
Symptomatic		4	66.7%
Unknown		0	
Does not apply		0	
Treatment:	6		10.7%
None		2	33.3%
Demulcents		3	50.0%
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		1	16.7%
Unknown		0	
Disposition:	6		10.7%
Sent home		4	66.7%
Admitted to hospital		1	16.7%
Referred to another hospital		1	16.7%
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	56	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	54	96.4%
Dining room	0	
Living room	0	
Bathroom	0	
Bedroom	0	
Family room	0	
Laundry room	2	3.6%
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	6	10.7%
No	50	89.3%

Type of Container:

Pour-out bottle/can	1	1.8%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	53	94.6%
Paper wrapper	0	
Unknown	0	
Other	2	3.6%

Product in Original Container:

Yes	13	23.2%
No	43	76.8%

Condition of Product:

As purchased	29	51.8%
Diluted/dissolved in water	27	48.2%
Other	0	
Unknown	0	

Warning Label On Product:

Yes	43	76.8%
Type of warning:		
Ingestion	41	95.3%
Eye	38	88.4%
Skin	21	48.8%
Keep out of reach of children	31	72.1%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	24	55.8%
No	19	44.2%
Other	0	
Unknown	0	
No	3	5.4%
Did not notice	7	12.5%
Unknown	3	5.4%
Other	0	

Product Status at Time of Incident:

In use:	45	80.4%
On floor	3	6.7%
On sink/counter top	2	4.4%
On table	0	
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	38	84.4%
Toilet bowl	0	
Other	1	2.2%
Unknown	1	2.2%
In storage:	11	19.6%
On low shelves (<3' high)	0	
On high shelves (>3' high)	5	45.5%
Medicine chest	0	
Closet floor	0	
Under sink	5	45.5%
On window sill	0	
Tubside/shower	0	
Garbage	1	9.1%
Other	0	
Unknown	0	
Other	0	

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	54	96.4%
1-3 teaspoonsful	2	3.6%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	56	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	56	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	2	3.6%

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	17	30.4%
Advice from poison control center	20	35.7%
Advice from physician	0	
Person judgement	27	48.2%
Advice from non-professional	0	
Unknown	1	1.8%
Other	0	

Effects of Incident Experienced by Patient:

None	40	71.4%
Nausea	0	
Abdominal pain	0	
Emesis	7	12.5%
Number of episodes:		
1		3 42.9%
2		3 42.9%
3 or more		1 14.3%
Diarrhea	5	8.9%
Mucosal effects:	5	8.9%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	4	2		
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	11	19.6%
<1 hour		6 54.5%
1-4 hours		1 9.1%
4-12 hours		0
12-24 hours		1 9.1%
24-96 hours		2 18.2%
>96 hours		1 9.1%
If seen in emergency room or physician's office:	5	8.9%
<1 hour		1 20.0%
1-4 hours		0
4-12 hours		0
12-24 hours		1 20.0%
24-96 hours		3 60.0%
>96 hours		0

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by
Individual Product Category

Total Number of Reports in the Category, BAR SOAPS, 0600000, for the
Periods July 15 - October 14, 1975 and February 1 - October 31,
1976 63

<u>Calls by Source:</u>	63	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	1	1.6%
Consumer	62	98.4%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	15	17	3	1	1	1	0	0	1		39	61.9
Female	7	12	2	2	0	1	0	0	0		24	38.1
Sex N/R												
Total By Age	22	29	5	3	1	2	0	0	1		63	
% of Total	34.9	46.0	7.9	4.8	1.6	3.2	0	0	1.6			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			53	53	84.1
Abnormal			10	10	15.9
Unknown					
Total by Observer			63	Total = 63	
% of Total			100.0		

Management:

At home:	62		98.4%
Observation only		6	9.7%
Ipecac		1	1.6%
Demulcents		41	66.1%
Dilution		19	30.6%
Irrigation		1	1.6%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	1		1.6%
Notified ER		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcent		1	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	1		1.6%
Asymptomatic		1	100.0%
Symptomatic		0	
Unknown		0	
Does not apply		0	
Treatment:	1		1.6%
None		1	100.0%
Demulcents		0	
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	1		1.6%
Sent home		1	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	61	96.8%
Outdoors	1	1.6%
School	0	
Workplace	1	1.6%
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	1	1.6%
Dining room	0	
Living room	0	
Bathroom	59	96.7%
Bedroom	1	1.6%
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	1	1.6%
No	62	98.4%

Type of Container:

Pour-out bottle/can	5	7.9%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	3	4.8%
Paper wrapper	49	77.8%
Unknown	1	1.6%
Other	5	7.9%

Product in Original Container:

Yes	14	22.2%
No	49	77.8%

Condition of Product:

As purchased	62	98.4%
Diluted/dissolved in water	1	1.6%
Other	0	
Unknown	0	

Warning Label On Product:

Yes	8	12.7%
Type of warning:		
Ingestion	3	37.5%
Eye	2	25.0%
Skin	0	
Keep out of reach of children	6	75.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	2	25.0%
No	6	75.0%
Other	0	
Unknown	0	
No	43	68.3%
Did not notice	10	15.9%
Unknown	2	3.2%
Other	0	

Product Status at Time of Incident:

In use:	55	87.3%
On floor	2	3.6%
On sink/counter top	15	27.3%
On table	0	
On washer/dryer	8	14.5%
Tubside/shower	28	50.9%
Oven	0	
Dishwasher	0	
Toilet bowl	1	1.8%
Other	1	1.8%
Unknown	0	
In storage:	8	12.7%
On low shelves (<3' high)	2	25.0%
On high shelves (>3' high)	1	12.5%
Medicine chest	0	
Closet floor	0	
Under sink	5	62.5%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	0	
Unknown	0	
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	58	92.1%
1-3 teaspoonsful	4	6.3%
1-3 tablespoonsful	0	
1/5-1/2 cupful	1	1.6%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	62	98.4%
Inflicted by another person	1	1.6%

Type of Initial Treatment Given After Exposure:

None	3	4.8%
Gave water or milk	55	87.3%
Gave an emetic	1	1.6%
Unknown	1	1.6%
Other home treatment or first-aid	3	4.8%

Basis for Initial Treatment Given:

None (no specific reason)	1	1.6%
Information on product label	0	
Advice from poison control center	39	61.9%
Advice from physician	0	
Person judgement	23	36.5%
Advice from non-professional	0	
Unknown	1	1.6%
Other	1	1.6%

Effects of Incident Experienced by Patient:

None	41	65.1%
Nausea	0	
Abdominal pain	2	3.2%
Emesis	7	11.1%
Number of episodes:		
1		4 57.1%
2		1 14.3%
3 or more		2 28.6%
Diarrhea	14	22.2%
Mucosal effects:	4	6.3%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	4			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	21	33.3%
<1 hour		7 33.3%
1-4 hours		1 4.8%
4-12 hours		5 23.8%
12-24 hours		4 19.0%
24-96 hours		2 9.5%
>96 hours		2 9.5%
 If seen in emergency room or physician's office:	1	1.6%
<1 hour		0
1-4 hours		0
4-12 hours		0
12-24 hours		1 100.0%
24-96 hours		0
>96 hours		0

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by
Individual Product Category

Total Number of Reports in the Category BLEACHES, 04500000, for
the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976 63

<u>Calls by Source:</u>	140	100.0%
Emergency room	7	5.0%
Physician	2	1.4%
Paraprofessional	1	0.7%
Consumer	130	92.9%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	5	25	27	5	2	6	1	1	6		78	55.7
Female	4	22	14	7	1	2	1	4	7		62	44.3
Sex N/R												
Total By Age	9	47	41	12	3	8	2	5	13		140	
% of Total	6.4	33.6	29.3	8.6	2.1	5.7	1.4	3.6	9.3			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	1	2	70	73	52.1
Abnormal	4	3	60	67	47.9
Unknown					
Total by Observer	5	5	130	Total = 140	
% of Total	3.6	3.6	92.9		

Management:

At home:	127		90.7%
Observation only		8	6.3%
Ipecac		0	
Demulcents		90	70.9%
Dilution		47	37.0%
Irrigation		5	3.9%
Other		3	2.4%
Already in emergency room:	6		4.3%
Referred to emergency room:	4		2.9%
Notified ER		3	75.0%
Patient arrived		4	100.0%
Patient did not arrive		0	
Home care prior to referral:		2	50.0%
Ipecac		1	50.0%
Demulcent		1	50.0%
Irrigation		0	
Other		0	
Already in physician's office:	1		0.7%
Sent to personal physician:	1		0.7%
Notified physician		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		1	100.0%
Irrigation		1	100.0%
Other		0	

Other

1*

* In this case the patient was self referred to a health care facility after home management and is included in the tabulation on the following page.

Emergency Room and Physician Management:

Patient status:	13		9.3%
Asymptomatic		6	46.2%
Symptomatic		7	53.8%
Unknown		0	
Does not apply		0	
Treatment:	13		9.3%
None		2	15.4%
Demulcents		9	69.2%
Lavage		0	
Emesis		1	7.7%
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		1	7.7%
Unknown		1	7.7%
Disposition:	13		9.3%
Sent home		13	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	129	92.1%
Outdoors	9	6.4%
School	0	
Workplace	1	0.7%
Unknown	0	
Other	1	0.7%

If in Home, Room:

Kitchen	58	45.0%
Dining room	1	0.8%
Living room	1	0.8%
Bathroom	24	18.6%
Bedroom	1	0.8%
Family room	0	
Laundry room	36	27.9%
Basement	8	6.2%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	10	7.1%
No	130	92.9%

Type of Container:

Pour-out bottle/can	133	95.0%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	6	4.3%
Paper wrapper	0	
Unknown	0	
Other	1	0.7%

Product in Original Container:

Yes	58	41.4%
No	82	58.6%

Condition of Product:

As purchased	94	67.1%
Diluted/dissolved in water	45	32.1%
Other	0	
Unknown	1	0.7%

Warning Label On Product:

Yes	95	67.9%
Type of warning:		
Ingestion	91	95.8%
Eye	90	94.7%
Skin	78	82.1%
Keep out of reach of children	89	93.7%
Do not use with toilet bowl cleaners	72	75.8%
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	2	2.1%
Other	1	1.1%
Had patient/parent read warning prior to accident:		
Yes	43	45.3%
No	46	48.4%
Other	2	2.1%
Unknown	4	4.2%
No	1	0.7%
Did not notice	33	23.6%
Unknown	7	5.0%
Other	4	2.9%

Product Status at Time of Incident:

In use:	113	80.7%
On floor	25	22.1%
On sink/counter top	46	40.7%
On table	11	9.7%
On washer/dryer	14	12.4%
Tubside/shower	1	0.9%
Oven	0	
Dishwasher	0	
Toilet bowl	1	0.9%
Other	15	13.3%
Unknown	0	
In storage:	25	17.9%
On low shelves (<3' high)	4	16.0%
On high shelves (>3' high)	3	12.0%
Medicine chest	0	
Closet floor	1	4.0%
Under sink	8	32.0%
On window sill	0	
Tubside/shower	0	
Garbage	5	20.0%
Other	4	16.0%
Unknown	2	1.4%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	113	80.7%
1-3 teaspoonsful	22	15.7%
1-3 tablespoonsful	3	2.1%
1/5-1/2 cupful	2	1.4%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	139	99.3%
Inflicted by another person	1	0.7%

Type of Initial Treatment Given After Exposure:

None	4	2.8%
Gave water or milk	137	97.9%
Gave an emetic	1	0.7%
Unknown	0	
Other home treatment or first-aid	5	3.6%

Basis for Initial Treatment Given:

None (no specific reason)	2	1.4%
Information on product label	26	18.6%
Advice from poison control center	66	47.1%
Advice from physician	3	2.1%
Person judgement	51	36.4%
Advice from non-professional	0	
Unknown	1	0.7%
Other	1	0.7%

Effects of Incident Experienced by Patient:

None	67	47.9%
Nausea	2	1.4%
Abdominal pain	4	2.9%
Emesis	47	33.6%
Number of episodes:		
1	25	53.2%
2	7	14.9%
3 or more	15	31.9%
Diarrhea	10	7.1%
Mucosal effects:	25	17.9%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	14			8
Esophagus	7			
Stomach				1
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	65	46.4%
<1 hour	39	60.0%
1-4 hours	5	7.7%
4-12 hours	8	12.3%
12-24 hours	3	4.6%
24-96 hours	9	13.8%
>96 hours	1	1.5%
If seen in emergency room or physician's office:	8	5.7%
<1 hour	4	50.0%
1-4 hours	0	
4-12 hours	2	25.0%
12-24 hours	1	12.5%
24-96 hours	0	
>96 hours	1	12.5%

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by
Individual Product Category

Total Number of Reports in the Category DISHWASHING LIQUIDS,
06700000, for the Periods July 15 - October 14, 1975 and
February 1 - October 31, 1976

49

<u>Calls by Source:</u>	49	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	2	4.1%
Consumer	47	95.9%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	12	7	5	0	0	0	0	4		31	63.3
Female	2	7	3	2	0	0	0	2	2		18	36.7
Sex N/R												
Total By Age	5	19	10	7	0	0	0	2	6		49	
% of Total	10.2	38.8	20.3	14.3	0	0	0	4.1	12.2			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	0	2	34	36	73.5
Abnormal	0	0	13	13	26.5
Unknown					
Total by Observer		2	47	Total = 49	
% of Total		4.1	95.9		

Management:

At home:	49		100.0%
Observation only		5	10.2%
Ipecac		0	
Demulcents		28	57.1%
Dilution		19	38.8%
Irrigation		1	2.0%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified ER			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	44	89.8%
Outdoors	5	10.2%
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	37	84.1%
Dining room	0	
Living room	0	
Bathroom	5	11.4%
Bedroom	1	2.3%
Family room	0	
Laundry room	0	
Basement	1	2.3%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	49	100.0%

Type of Container:

Pour-out bottle/can	10	20.4%
Squeeze bottle (non-spray)	39	79.6%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	19	38.8%
No	30	61.2%

Condition of Product:

As purchased	32	65.3%
Diluted/dissolved in water	17	34.7%
Other	0	
Unknown	0	

Warning Label On Product:

Yes	5	10.2%
Type of warning:		
Ingestion	0	
Eye	2	40.0%
Skin	0	
Keep out of reach of children	5	100.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	3	60.0%
No	2	40.0%
Other	0	
Unknown	0	
No	30	61.2%
Did not notice	8	16.3%
Unknown	5	10.2%
Other	1	2.0%

Product Status at Time of Incident:

In use:	34	69.4%
On floor	3	8.8%
On sink/counter top	26	76.5%
On table	1	2.9%
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	3	8.8%
Unknown	1	2.9%
In storage:	13	26.5%
On low shelves (<3' high)	0	
On high shelves (>3' high)	0	
Medicine chest	0	
Closet floor	0	
Under sink	13	100.0%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	0	
Unknown	2	4.1%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	40	81.6%
1-3 teaspoonsful	7	14.3%
1-3 tablespoonsful	2	4.1%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	49	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	3	6.1%
Gave water or milk	44	89.8%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	2	4.1%

Basis for Initial Treatment Given:

None (no specific reason)	1	2.0%
Information on product label	0	
Advice from poison control center	26	53.1%
Advice from physician	0	
Person judgement	19	38.8%
Advice from non-professional	0	
Unknown	2	4.1%
Other	1	2.0%

Effects of Incident Experienced by Patient:

None	27	55.1%
Nausea	0	
Abdominal pain	2	4.1%
Emesis	8	16.3%
Number of episodes:		
1		6
2		0
3 or more		2
Diarrhea	12	24.5%
Mucosal effects:	2	4.1%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus	2			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	22	44.9%
<1 hour		9
1-4 hours		1
4-12 hours		2
12-24 hours		6
24-96 hours		3
>96 hours		1
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by Individual Product Category

Total Number of Reports in the Category FABRIC CARE PRODUCTS, 06300000, for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976 48

<u>Calls by Source:</u>	48	100.0%
Emergency room	1	2.1%
Physician	0	
Paraprofessional	2	4.2%
Consumer	45	93.8%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	13	9	3	1	0	0	0	0		29	60.4
Female	2	9	4	2	0	1	0	0	1		19	39.6
Sex N/R												
Total By Age	5	22	13	5	1	1	0	0	1		48	
% of Total	10.4	45.8	27.1	10.4	2.1	2.1	0	0	2.1			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	1		40	41	85.4
Abnormal			7	7	14.6
Unknown					
Total by Observer	1		47	Total = 48	
% of Total	2.1		97.9		

Management:

At home:	45		93.8%
Observation only		4	8.9%
Ipecac		0	
Demulcents		33	73.3%
Dilution		10	22.2%
Irrigation		7	15.6%
Other		0	
Already in emergency room:	1		2.1%
Referred to emergency room:	1		2.1%
Notified E.R.		0	
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		0	
Ipecac			
Demulcents			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	1		2.1%
Notified physician		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		1	100.0%
Irrigation		0	
Other		0	
Other	0		

Emergency Room and Physician Management:

Patient status:	3		6.3%
Asymptomatic		3	100.0%
Symptomatic		0	
Unknown		0	
Does not apply		0	
Treatment:	3		6.3%
None		1	33.3%
Demulcents		1	33.3%
Lavage		0	
Emesis		1	33.3%
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	3		6.3%
Sent home		3	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	48	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	10	20.8%
Dining room	1	2.1%
Living room	2	4.2%
Bathroom	3	6.3%
Bedroom	3	6.3%
Family room	1	2.1%
Laundry room	24	50.0%
Basement	3	6.3%
Garage	0	
Unknown	0	
Other	1	2.1%

Patient Seen in Emergency Room:

Yes	1	2.1%
No	47	97.9%

Type of Container:

Pour-out bottle/can	11	22.9%
Squeeze bottle (non-spray)	2	4.2%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	31	64.6%
Carton/box	3	6.3%
Paper wrapper	0	
Unknown	0	
Other	1	2.1%

Product in Original Container:

Yes	41	85.4%
No	7	14.6%

Condition of Product:

As purchased	43	89.6%
Diluted/dissolved in water	1	2.1%
Other	4	8.3%
Unknown	0	

Warning Label on Product:

Yes	31	64.6%
Type of warning:		
Ingestion	23	74.2%
Eye	24	77.4%
Skin	0	
Keep out of reach of children	29	93.5%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	4	12.9%
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	15	48.4%
No	12	38.7%
Other	0	
Unknown	4	12.9%
No	10	20.8%
Did not notice	7	14.6%
Unknown	0	
Other	0	

Product Status at Time of Incident:

In use:	34	70.8%
On floor	6	17.6%
On sink/counter top	6	17.6%
On table	8	23.5%
On washer/dryer	8	23.5%
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	6	17.6%
Unknown	0	
In storage:	13	27.1%
On low shelves (<3' high)	4	30.8%
On high shelves (>3' high)	5	38.5%
Medicine chest	0	
Closet floor	0	
Under sink	1	7.7%
On window sill	0	
Tubside/shower	0	
Garbage	1	7.7%
Other	2	15.4%
Unknown	1	2.1%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	46	95.8%
1-3 teaspoonsful	2	4.2%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	46	95.8%
Inflicted by another person	2	4.2%

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	47	97.9%
Gave an emetic	1	2.1%
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	33	68.8%
Advice from physician	2	4.2%
Personal judgement	20	41.7%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	41	85.4%
Nausea	1	2.1%
Abdominal pain	0	
Emesis	4	8.3%
Number of episodes:		
1		2 50.0%
2		0
3 or more		2 50.0%
Diarrhea	2	4.2%
Mucosal effects:	0	

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	5		10.4%
<1 hour		2	40.0%
1-4 hours		1	20.0%
4-12 hours		1	20.0%
12-24 hours		1	20.0%
24-96 hours		0	
>96 hours		0	
If seen in emergency room or physician's office:	2		4.2%
<1 hour		2	100.0%
1-4 hours		0	
4-12 hours		0	
12-24 hours		0	
24-96 hours		0	
>96 hours		0	

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by Individual Product Category

Total Number of Reports in the Category GRANULAR LAUNDRY DETERGENTS, 06500000, for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976 56

<u>Calls by Source:</u>	56	100.0%
Emergency room	0	
Physician	1	1.8%
Paraprofessional	0	
Consumer	55	98.2%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	4	19	7	3	0	0	1	0	0		34	60.7
Female	3	10	7	1	0	0	0	0	1		22	39.3
Sex N/R												
Total By Age	7	29	14	4	0	0	1	0	1		56	
% of Total	12.5	51.8	25.0	7.1	0	0	1.8	0	1.8			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			45	45	80.4
Abnormal	1		10	11	19.6
Unknown					
Total by Observer	1		55	Total = 56	
% of Total	1.8		98.2		

Management:

At home:	52		92.9%
Observation only		2	3.8%
Ipecac		2	3.8%
Demulcents		36	69.2%
Dilution		21	40.4%
Irrigation		4	7.7%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	3		5.4%
Notified ER		2	66.7%
Patient arrived		3	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	33.3%
Ipecac		0	
Demulcent		0	
Irrigation		0	
Other		1	100.0%
Already in physician's office:	1		1.8%
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	4		7.1%
Asymptomatic		0	
Symptomatic		4	100.0%
Unknown		0	
Does not apply		0	
Treatment:	4		7.1%
None		1	25.0%
Demulcents		0	
Lavage		0	
Emesis		1	25.0%
Activated charcoal		0	
Cathartics		1	25.0%
Antidotes		0	
Other		1	25.0%
Unknown		0	
Disposition:	4		7.1%
Sent home		4	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	55	98.2%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	1	1.8%

If in Home, Room:

Kitchen	9	16.4%
Dining room	0	
Living room	0	
Bathroom	9	16.4%
Bedroom	2	3.6%
Family room	0	
Laundry room	30	54.5%
Basement	4	7.3%
Garage	0	
Unknown	1	1.8%
Other	0	

Patient Seen in Emergency Room:

Yes	3	5.4%
No	53	94.6%

Type of Container:

Pour-out bottle/can	2	3.6%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	51	91.1%
Paper wrapper	0	
Unknown	0	
Other	3	5.4%

Product in Original Container:

Yes	35	62.6%
No	21	37.5%

Condition of Product:

As purchased	46	82.1%
Diluted/dissolved in water	9	16.1%
Other	1	1.8%
Unknown	0	

Warning Label On Product:

Yes	13	23.2%
Type of warning:		
Ingestion	10	76.9%
Eye	9	69.2%
Skin	0	
Keep out of reach of children	10	76.9%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	5	38.5%
No	7	53.8%
Other	0	
Unknown	1	7.7%
No	27	48.2%
Did not notice	12	21.4%
Unknown	4	7.1%
Other	0	

Product Status at Time of Incident:

In use:	36	64.3%
On floor	20	55.6%
On sink/counter top	10	27.8%
On table	1	2.8%
On washer/dryer	2	5.6%
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	3	8.3%
Unknown	0	
In storage:	19	33.9%
On low shelves (<3' high)	0	
On high shelves (>3' high)	4	21.1%
Medicine chest	0	
Closet floor	2	10.5%
Under sink	3	15.8%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	10	52.6%
Unknown	1	1.8%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	50	89.3%
1-3 teaspoonsful	6	10.7%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	55	98.2%
Inflicted by another person	1	1.8%

Type of Initial Treatment Given After Exposure:

None	1	1.8%
Gave water or milk	54	96.4%
Gave an emetic	1	1.8%
Unknown	0	
Other home treatment or first-aid	1	1.8%

Basis for Initial Treatment Given:

None (no specific reason)	4	7.1%
Information on product label	3	5.4%
Advice from poison control center	32	57.1%
Advice from physician	1	1.8%
Person judgement	26	46.4%
Advice from non-professional	1	1.8%
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	31	55.4%
Nausea	0	
Abdominal pain	0	
Emesis	15	26.8%
Number of episodes:		
1	7	46.7%
2	1	6.7%
3 or more	7	46.7%
Diarrhea	12	21.4%
Mucosal effects:	2	3.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	1	1		
Esophagus				
Stomach				
Other (Specify)		1		

Time Required for Symptoms to Subside:

If managed at home:	21	37.5%
<1 hour	9	42.9%
1-4 hours	3	14.3%
4-12 hours	4	19.0%
12-24 hours	1	4.8%
24-96 hours	1	4.8%
>96 hours	3	14.3%
If seen in emergency room or physician's office:	4	7.1%
<1 hour	1	25.0%
1-4 hours	2	50.0%
4-12 hours	1	25.0%
12-24 hours	0	
24-96 hours	0	
>96 hours	0	

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by
Individual Product Category

Total Number of Reports in the Category HOUSEHOLD CARE PRODUCTS,
06200000 for the Periods July 15 - October 14, 1975 and February 1 -
October 31, 1976 256

<u>Calls by Source:</u>	256	100.0%
Emergency room	4	1.6%
Physician	3	1.2%
Paraprofessional	4	1.6%
Consumer	245	95.7%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	13	56	42	10	5	2	1	1	3		133	52.0
Female	13	48	38	10	3	3	1	2	5		123	48.0
Sex N/R												
Total By Age	26	104	80	20	8	5	2	3	8		256	
% of Total	10.2	40.6	31.3	7.8	3.1	2.0	0.8	1.2	3.1			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	2	2	191	195	76.2
Abnormal	3	2	56	61	23.8
Unknown					
Total by Observer	5	4	247	Total = 256	
% of Total	2.0	1.6	96.5		

Management:

At home:	240		93.8%
Observation only		19	7.9%
Ipecac		3	1.3%
Demulcents		151	62.9%
Dilution		106	44.2%
Irrigation		16	6.7%
Other		1	0.4%
Already in emergency room:	4		1.6%
Referred to emergency room:	7		2.7%
Notified ER		4	57.1%
Patient arrived		7	100.0%
Patient did not arrive		0	
Home care prior to referral:			
Ipecac		1	14.3%
Demulcent		3	42.9%
Irrigation		0	
Other		1	14.3%
Already in physician's office:	3		1.2%
Sent to personal physician:	1		0.4%
Notified physician		0	
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		0	
Ipecac			
Demulcents			
Irrigation			
Other			
Other	1*		0.4%

* The patient was self-referred to a health care facility after home management and is included in the tabulation on the following page.

Emergency Room and Physician Management:

Patient status:	16		6.3%
Asymptomatic		4	25.0%
Symptomatic		11	68.8%
Unknown		1	6.3%
Does not apply		0	
Treatment:	16		6.3%
None		0	
Demulcents		8	50.0%
Lavage		3	18.8%
Emesis		2	12.5%
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		6	37.5%
Unknown		1	6.3%
Disposition:	16		6.3%
Sent home		14	87.5%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		1	6.3%
Other		1	6.3%

Place Where Incident Occurred:

Home	240	93.8%
Outdoors	9	3.5%
School	0	
Workplace	1	0.4%
Unknown	0	
Other	6	2.3%

If in Home, Room:

Kitchen	106	44.2%
Dining room	0	
Living room	9	3.8%
Bathroom	94	39.2%
Bedroom	10	4.2%
Family room	1	0.4%
Laundry room	9	3.8%
Basement	4	1.7%
Garage	0	
Unknown	2	0.8%
Other	5	2.1%

Patient Seen in Emergency Room:

Yes	12	4.7%
No	244	95.3%

Type of Container:

Pour-out bottle/can	191*	74.3%
Squeeze bottle (non-spray)	7	2.7%
Spray bottle/can (non-pressurized)	31	12.1%
Aerosol spray bottle/can (pressurized)	17	6.6%
Carton/box	8*	3.1%
Paper wrapper	0	
Unknown	0	
Other	3	1.2%

Product in Original Container:

Yes	166	64.8%
No	90	35.2%

Condition of Product:

As purchased	184	71.9%
Diluted/dissolved in water	71	27.7%
Other	0	
Unknown	1	0.4%

* Two products (mixed) were involved in one exposure.

Warning Label On Product:

Yes	107*	41.6%
Type of warning:		
Ingestion	62	57.9%
Eye	81	75.7%
Skin	19	17.8%
Keep out of reach of children	75	70.1%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	5	4.7%
Do not use with bleach	0	
Did not notice	0	
Unknown	2	1.9%
Other	9	8.4%
Had patient/parent read warning prior to accident:		
Yes	57	53.3%
No	48	44.9%
Other	0	
Unknown	3	2.8%
No	67	26.1%
Did not notice	64	24.9%
Unknown	17	6.6%
Other	2	0.8%

Product Status at Time of Incident:

In use:	167	65.2%
On floor	31	18.6%
On sink/counter top	61	36.5%
On table	27	16.2%
On washer/dryer	4	2.4%
Tubside/shower	18	10.8%
Oven	0	
Dishwasher	0	
Toilet bowl	10	6.0%
Other	16	9.6%
Unknown	0	
In storage:	83	32.4%
On low shelves (<3' high)	7	8.4%
On high shelves (>3' high)	14	16.9%
Medicine chest	0	
Closet floor	0	
Under sink	50	60.2%
On window sill	0	
Tubside/shower	0	
Garbage	11	13.3%
Other	1	1.2%
Unknown	6	2.3%
Other	0	

* Two products (mixed) were involved in one exposure.

If More Than One Product Involved, Were Products:

Separate	2	0.8%
Mixed	6	2.3%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	236	92.2%
1-3 teaspoonsful	14	5.5%
1-3 tablespoonsful	5	2.0%
1/5-1/2 cupful	1	0.4%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	250	97.7%
Inflicted by another person	6	2.3%

Type of Initial Treatment Given After Exposure:

None	12	4.7%
Gave water or milk	236	92.2%
Gave an emetic	4	1.6%
Unknown	1	0.4%
Other home treatment or first-aid	15	5.9%

Basis for Initial Treatment Given:

None (no specific reason)	10	3.9%
Information on product label	11	4.3%
Advice from poison control center	148	57.8%
Advice from physician	4	1.6%
Person judgement	104	40.6%
Advice from non-professional	0	
Unknown	2	0.8%
Other	3	1.2%

Effects of Incident Experienced by Patient:

None	178	69.5%
Nausea	7	2.7%
Abdominal pain	4	1.6%
Emesis	19	7.4%
Number of episodes:		
1		9 47.4%
2		2 10.5%
3 or more		8 42.1%
Diarrhea	34	13.3%
Mucosal effects:	32	12.5%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	20	5		4
Esophagus	3			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	66	25.8%
<1 hour		21 31.8%
1-4 hours		9 13.6%
4-12 hours		18 27.3%
12-24 hours		6 9.1%
24-96 hours		9 13.6%
>96 hours		3 4.5%
If seen in emergency room or physician's office:	12	4.7%
<1 hour		5 41.7%
1-4 hours		2 16.7%
4-12 hours		0
12-24 hours		0
24-96 hours		5 41.7%
>96 hours		0

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by
Individual Product Category

Total Number of Reports in the Category LIQUID LAUNDRY DETERGENTS,
06400000, for the Period July 15 - October 14, 1975 and February 1 -
October 31, 1976 39

<u>Calls by Source:</u>	39	100.0%
Emergency room	1	2.6%
Physician	0	
Paraprofessional	0	
Consumer	38	97.4%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	0	9	4	1	2	0	0	1	0		17	43.6
Female	3	10	6	1	0	0	0	1	1		22	56.4
Sex N/R												
Total By Age	3	19	10	2	2	0	0	2	1		39	
% of Total	7.7	48.7	25.6	5.1	5.1			5.1	2.6			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			29	29	74.4
Abnormal		1	9	10	25.6
Unknown					
Total by Observer		1	38	Total = 39	
% of Total		2.6	97.4		

Management:

At home:	38	97.4%
Observation only	1	2.6%
Ipecac	0	
Demulcents	31	81.6%
Dilution	11	28.9%
Irrigation	2	5.3%
Other	0	
Already in emergency room:	1	2.6%
Referred to emergency room:	0	
Notified ER		
Patient arrived		
Patient did not arrive		
Home care prior to referral:		
Ipecac		
Demulcent		
Irrigation		
Other		
Already in physician's office:	0	
Sent to personal physician:	0	
Notified physician		
Patient arrived		
Patient did not arrive		
Home care prior to referral:		
Ipecac		
Demulcents		
Irrigation		
Other		
Other	0	

Emergency Room and Physician Management:

Patient status:	1		2.6%
Asymptomatic		0	
Symptomatic		1	100.0%
Unknown		0	
Does not apply		0	
Treatment:	1		2.6%
None		1	100.0%
Demulcents		0	
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	1		2.6%
Sent home		0	
Admitted to hospital		1	100.0%
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	38	97.4%
Outdoors	1	2.6%
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	19	50.0%
Dining room	0	
Living room	1	2.6%
Bathroom	3	7.9%
Bedroom	1	2.6%
Family room	0	
Laundry room	12	31.6%
Basement	2	5.3%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	1	2.6%
No	38	97.4%

Type of Container:

Pour-out bottle/can	28	71.8%
Squeeze bottle (non-spray)	9	23.1%
Spray bottle/can (non-pressurized)	1	2.6%
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	1	2.6%

Product in Original Container:

Yes	26	66.7%
No	13	33.3%

Condition of Product:

As purchased	33	84.6%
Diluted/dissolved in water	5	12.8%
Other	1	2.6%
Unknown	0	

Warning Label On Product:

Yes	24	61.5%
Type of warning:		
Ingestion	7	29.2%
Eye	15	62.5%
Skin	0	
Keep out of reach of children	17	70.8%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	1	4.2%
Had patient/parent read warning prior to accident:		
Yes	10	41.7%
No	14	58.3%
Other	0	
Unknown	0	
No	9	23.1%
Did not notice	5	12.8%
Unknown	1	2.6%
Other	0	

Product Status at Time of Incident:

In use:	21	53.8%
On floor	3	14.3%
On sink/counter top	8	38.1%
On table	5	23.8%
On washer/dryer	1	4.8%
Tubside/shower	1	4.8%
Oven	0	
Dishwasher	1	4.8%
Toilet bowl	0	
Other	2	9.5%
Unknown	0	
In storage:	15	38.5%
On low shelves (<3' high)	2	13.3%
On high shelves (>3' high)	4	26.7%
Medicine chest	0	
Closet floor	0	
Under sink	5	33.3%
On window sill	0	
Tubside/shower	0	
Garbage	4	26.7%
Other	0	
Unknown	3	7.7%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	36	92.3%
1-3 teaspoonsful	2	5.1%
1-3 tablespoonsful	1	2.6%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	39	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	1	2.6%
Gave water or milk	38	97.4%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	2.6%

Basis for Initial Treatment Given:

None (no specific reason)	1	2.6%
Information on product label	5	12.8%
Advice from poison control center	21	53.8%
Advice from physician	3	7.7%
Person judgement	10	25.6%
Advice from non-professional	0	
Unknown	0	
Other	1	2.6%

Effects of Incident Experienced by Patient:

None	25	64.1%
Nausea	0	
Abdominal pain	2	5.1%
Emesis	9	23.1%
Number of episodes:		
1	4	44.4%
2	2	22.2%
3 or more	3	33.3%
Diarrhea	9	23.1%
Mucosal effects:	1	2.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				1
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	14	35.9%
<1 hour	9	64.3%
1-4 hours	0	
4-12 hours	3	21.4%
12-24 hours	2	14.3%
24-96 hours	0	
>96 hours	0	
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by Individual Product Category

Total Number of Reports in the Category RUG & UPHOLSTERY SHAMPOOS, 06800000, for the Period July 15 - October 14, 1975 and February 1 - October 31, 1976 22

<u>Calls by Source:</u>	22	100.0%
Emergency room	1	4.5%
Physician	0	
Paraprofessional	0	
Consumer	21	95.5%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	0	6	2	0	0	0	0	0	1		9	40.9
Female	1	5	3	1	0	0	0	2	1		13	59.1
Sex N/R												
Total By Age	1	11	5	1	0	0	0	2	2		22	
% of Total	4.5	50.0	22.7	4.5				9.1	9.1			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal		1	14	15	68.2
Abnormal		1	6	7	31.8
Unknown					
Total by Observer		2	20	Total = 22	
% of Total		9.1	89.9		

Management:

At home:	19		86.4%
Observation only		2	10.5%
Ipecac		0	
Demulcents		15	78.9%
Dilution		4	21.1%
Irrigation		0	
Other		0	
Already in emergency room:	1		4.5%
Referred to emergency room:	2		9.1%
Notified E.R.		2	100.0%
Patient arrived		2	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		1	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	3		13.6%
Asymptomatic		2	66.7%
Symptomatic		1	33.3%
Unknown		0	
Does not apply		0	
Treatment:	3		13.6%
None		2	66.7%
Demulcents		0	
Lavage		0	
Emesis		1	33.3%
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	3		13.6%
Sent home		3	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	22	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	11	50.0%
Dining room	0	
Living room	5	22.7%
Bathroom	2	9.1%
Bedroom	2	9.1%
Family room	0	
Laundry room	1	4.5%
Basement	0	
Garage	0	
Unknown	1	4.5%
Other	0	

Patient Seen in Emergency Room:

Yes	3	13.6%
No	19	86.4%

Type of Container:

Pour-out bottle/can	14	63.6%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	8	36.4%
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	8	36.4%
No	14	63.6%

Condition of Product:

As purchased	10	45.5%
Diluted/dissolved in water	11	50.0%
Other	0	
Unknown	1	4.5%

Warning Label on Product:

Yes	14	63.6%
Type of warning:		
Ingestion	1	7.1%
Eye	4	28.6%
Skin	0	
Keep out of reach of children	11	78.6%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	1	7.1%
Do not use with bleach	0	
Did not notice	0	
Unknown	1	7.1%
Other	0	
Had patient/parent read warning prior to accident:		
Yes	9	64.3%
No	5	35.7%
Other	0	
Unknown	0	
No	5	22.7%
Did not notice	2	9.1%
Unknown	1	4.5%
Other	0	

Product Status at Time of Incident:

In use:	18	81.8%
On floor	6	33.3%
On sink/counter top	6	33.3%
On table	2	11.1%
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	4	22.2%
Unknown	0	
In storage:	2	9.1%
On low shelves (<3' high)	0	
On high shelves (>3' high)	1	50.0%
Medicine chest	0	
Closet floor	0	
Under sink	1	50.0%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	0	
Unknown	1	4.5%
Other	1	4.5%

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	20	90.9%
1-3 teaspoonsful	2	9.1%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	22	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	1	4.5%
Gave water or milk	21	95.5%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	14	63.6%
Advice from physician	2	9.1%
Personal judgement	6	27.3%
Advice from non-professional	0	
Unknown	1	4.5%
Other	0	

Effects of Incident Experienced by Patient:

None	10	45.5%
Nausea	1	4.5%
Abdominal pain	2	9.1%
Emesis	4	18.2%
Number of episodes:		
1	0	
2	1	25.0%
3 or more	3	75.0%
Diarrhea	4	18.2%
Mucosal effects:	1	4.5%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	1			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	10	45.5%
<1 hour	7	70.0%
1-4 hours	1	10.0%
4-12 hours	0	
12-24 hours	0	
24-96 hours	2	20.0%
>96 hours	0	
If seen in emergency room or physician's office:	2	9.1%
<1 hour	1	50.0%
1-4 hours	0	
4-12 hours	0	
12-24 hours	1	50.0%
24-96 hours	0	
>96 hours	0	

Effects of Incident Experienced by Patient:

None	10	45.5%
Nausea	1	4.5%
Abdominal pain	2	9.1%
Emesis	4	18.2%
Number of episodes:		
1		0
2		1 25.0%
3 or more		3 75.0%
Diarrhea	4	18.2%
Mucosal effects:	1	4.5%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	1			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	10	45.5%
<1 hour		7 70.0%
1-4 hours		1 10.0%
4-12 hours		0
12-24 hours		0
24-96 hours		2 20.0%
>96 hours		0
If seen in emergency room or physician's office:	2	9.1%
<1 hour		1 50.0%
1-4 hours		0
4-12 hours		0
12-24 hours		1 50.0%
24-96 hours		0
>96 hours		0

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by
Individual Product Category

Total Number of Reports in the Category SHAMPOOS, 06100000
for the Period July 15 - October 14, 1975 and February 1 -
October 31, 1976 39
39

Calls by Source: 39 100.0%

Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	39	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	9	4								16	41.0
Female	4	14	3					1	1		23	59.0
Sex N/R												
Total By Age	7	23	7					1	1		39	
% of Total	18.0	59.0	18.0					2.6	2.6			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			26	26	66.7
Abnormal			13	13	33.3
Unknown					
Total by Observer			39	Total = 39	
% of Total			100.0		

Management:

At home:	39		100.0%
Observation only		2	5.1%
Ipecac		1	2.6%
Demulcents		27	69.2%
Dilution		14	35.9%
Irrigation		4	10.3%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	39	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	2	5.1%
Dining room	0	
Living room	1	2.6%
Bathroom	35	89.7%
Bedroom	0	
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	1	2.6%

Patient Seen in Emergency Room:

Yes	0	
No	39	100.0%

Type of Container:

Pour-out bottle/can	35*	87.5%
Squeeze bottle (non-spray)	1	2.5%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	1*	2.5%
Unknown	0	
Other	3	7.5%

Product in Original Container:

Yes	35	89.7%
No	4	10.3%

Condition of Product:

As purchased	34	87.2%
Diluted/dissolved in water	5	12.8%
Other	0	
Unknown	0	

* Two products (mixed) were involved in a single exposure.

Warning Label on Product:

Yes	13	32.5%
Type of warning:		
Ingestion	9	69.2%
Eye	2	15.4%
Skin	0	
Keep out of reach of children	8	61.5%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	7	53.9%
No	6	46.2%
Other	0	
Unknown	0	
No	23	57.5%
Did not notice	1	2.5%
Unknown	2	5.0%
Other	1	2.5%

Product Status at Time of Incident:

In use:	31	79.5%
On floor	3	9.7%
On sink/counter top	2	6.5%
On table	1	3.2%
On washer/dryer	0	
Tubside/shower	22	71.0%
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	3	9.7%
In storage:	6	15.4%
On low shelves (<3' high)	0	
On high shelves (>3' high)	1	16.7%
Medicine chest	1	16.7%
Closet floor	0	
Under sink	1	16.7%
On window sill	1	16.7%
Tubside/shower	2	33.3%
Garbage	0	
Other	0	
Unknown	0	
Other	2	5.1%

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	36	92.3%
1-3 teaspoonsful	2	5.1%
1-3 tablespoonsful	1	2.6%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	39	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	3	7.7%
Gave water or milk	36	92.3%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	2.6%

Basis for Initial Treatment Given:

None (no specific reason)	2	5.1%
Information on product label	0	
Advice from poison control center	25	64.1%
Advice from physician	0	
Personal judgement	16	41.0%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	21	53.9%
Nausea	0	
Abdominal pain	3	7.7%
Emesis	5	12.8%
Number of episodes:		
1		4 80.0%
2		0
3 or more		1 20.0%
Diarrhea	12	30.8%
Mucosal effects:	0	

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	18	46.2%
<1 hour		4 22.2%
1-4 hours		3 16.7%
4-12 hours		7 38.9%
12-24 hours		0
24-96 hours		2 11.1%
>96 hours		2 11.1%
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

SECTION B

Pilot and Comprehensive Studies

Summary of Ingestion Exposures by Individual Product Category

Total Number of Reports in the Category STRONG ACIDS, BASES AND PRODUCTS FORMULATED FROM THEM, 00100000 for the Periods July 15 - October 14, 1975 and February 1 - October 31, 1976

87

Calls by Source:

87

100.0%

Emergency room	4	4.6%
Physician	1	1.1%
Paraprofessional	0	
Consumer	82	94.3%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	2	11	7	7	2	1	1	2	4		37	42.5
Female	1	16	13	6	0	4	2	2	6		50	57.5
Sex N/R												
Total By Age	3	27	20	13	2	5	3	4	10		87	
% of Total	3.4	31.0	23.0	14.9	2.3	5.7	3.4	4.6	11.5			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	1		54	55	63.2
Abnormal	3		29	32	36.8
Unknown					
Total by Observer	4		83	Total = 87	
% of Total	4.6		95.4		

Management:

At home:	65		74.7%
Observation only		9	13.8%
Ipecac		0	
Demulcents		36	55.4%
Dilution		34	52.3%
Irrigation		10	15.4%
Other		3	4.6%
Already in emergency room:	4		4.6%
Referred to emergency room:	13		14.9%
Notified ER		13	100.0%
Patient arrived		13	100.0%
Patient did not arrive		0	
Home care prior to referral:		9	69.2%
Ipecac		0	
Demulcent		6	66.7%
Irrigation		6	66.7%
Other		1	11.1%
Already in physician's office:	0		
Sent to personal physician:	2		2.3%
Notified physician		1	50.0%
Patient arrived		2	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	50.0%
Ipecac		1	100.0%
Demulcents		0	
Irrigation		0	
Other		0	
Other	3		3.4%

Emergency Room and Physician Management:

Patient status:	22		25.3%
Asymptomatic		5	22.7%
Symptomatic		15	68.2%
Unknown		2	9.1%
Does not apply		0	
Treatment:	22		25.3%
None		3	13.6%
Demulcents		10	45.5%
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		8	36.4%
Unknown		3	13.6%
Disposition:	22		25.3%
Sent home		12	54.5%
Admitted to hospital		4	18.2%
Referred to another hospital		4	18.2%
Agency referral		0	
Unknown		2	9.1%
Other		0	

Place Where Incident Occurred:

Home	73	83.9%
Outdoors	12	13.8%
School	0	
Workplace	1	1.1%
Unknown	0	
Other	1	1.1%

If in Home, Room:

Kitchen	37	50.7%
Dining room	0	
Living room	1	1.4%
Bathroom	27	37.0%
Bedroom	0	
Family room	0	
Laundry room	1	1.4%
Basement	3	4.1%
Garage	0	
Unknown	2	2.7%
Other	2	2.7%

Patient Seen in Emergency Room:

Yes	20	23.0%
No	67	77.0%

Type of Container:

Pour-out bottle/can	41	47.1%
Squeeze bottle (non-spray)	10	11.5%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	13	14.9%
Carton/box	10	11.5%
Paper wrapper	0	
Unknown	4	4.6%
Other	9	10.3%

Product in Original Container:

Yes	37	42.5%
No	50	57.5%

Condition of Product:

As purchased	55	63.2%
Diluted/dissolved in water	30	34.5%
Other	1	1.1%
Unknown	1	1.1%

Warning Label On Product:

Yes	68	78.2%
Type of warning:		
Ingestion	59	86.8%
Eye	56	82.4%
Skin	43	63.2%
Keep out of reach of children	38	55.9%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	7	10.3%
Do not use with bleach	9	13.2%
Did not notice	0	
Unknown	3	4.4%
Other	0	
Had patient/parent read warning prior to accident:		
Yes	32	47.1%
No	32	47.1%
Other	4	5.9%
Unknown	0	
No	1	1.1%
Did not notice	7	8.0%
Unknown	11	12.6%
Other	0	

Product Status at Time of Incident:

In use:	62	71.3%
On floor	5	8.1%
On sink/counter top	18	29.0%
On table	6	9.7%
On washer/dryer	0	
Tubside/shower	1	1.6%
Oven	6	9.7%
Dishwasher	0	
Toilet bowl	13	21.0%
Other	13	21.0%
Unknown	0	
In storage:	23	26.4%
On low shelves (<3' high)	2	8.7%
On high shelves (>3' high)	2	8.7%
Medicine chest	2	8.7%
Closet floor	0	
Under sink	5	21.7%
On window sill	0	
Tubside/shower	0	
Garbage	7	30.4%
Other	5	21.7%
Unknown	1	1.1%
Other	1	1.1%

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	73	83.9%
1-3 teaspoonsful	11	12.6%
1-3 tablespoonsful	1	1.1%
1/5-1/2 cupful	2	2.3%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	86	98.9%
Inflicted by another person	1	1.1%

Type of Initial Treatment Given After Exposure:

None	3	3.4%
Gave water or milk	79	90.8%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	13	14.9%

Basis for Initial Treatment Given:

None (no specific reason)	2	2.3%
Information on product label	19	21.8%
Advice from poison control center	38	43.7%
Advice from physician	1	1.1%
Person judgement	36	41.4%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	57	65.5%
Nausea	0	
Abdominal pain	0	
Emesis	5	5.7%
Number of episodes:		
1		2 40.0%
2		2 40.0%
3 or more		1 20.0%
Diarrhea	2	2.3%
Mucosal effects:	28	32.2%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	11	12		3
Esophagus	3			
Stomach				
Other (Specify)				1

Time Required for Symptoms to Subside:

If managed at home:	14	16.1%
<1 hour		1 7.2%
1-4 hours		1 7.2%
4-12 hours		5 35.7%
12-24 hours		1 7.2%
24-96 hours		4 28.6%
>96 hours		2 14.3%
If seen in emergency room or physician's office:	16	18.4%
<1 hour		1 6.3%
1-4 hours		0
4-12 hours		1 6.3%
12-24 hours		2 12.5%
24-96 hours		2 12.5%
>96 hours		10 62.5%

Section C

Pilot Study

Summary of Ingestion Exposures to
All Study Agents Except Caustics

<u>Total Number of Calls Received by IRPCC for the Period July 15 - October 14, 1975</u>	5097
<u>Total Number of Calls Involving Exposures to Study Products (Ingestion, Inhalation, Percutaneous, Ocular, Other) for the Period July 15 - October 14, 1975</u>	387
<u>Total Number of Calls Involving Ingestion Exposures to Study Products and Included in the Soap and Detergent Association Project for the Period July 15 - October 14, 1975</u>	223*

<u>Calls by Source:</u>	223	100.0%
Emergency room	2	0.9%
Physician	1	0.45%
Paraprofessional	0	
Consumer	220	98.7%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	16	50	26	11	1	2	1	1	4		112	50.2
Female	12	49	28	6	1	4		4	7		111	49.8
Sex N/R												
Total By Age	28	99	54	17	2	6	1	5	11		223	
% of Total	12.6	44.4	24.2	7.6	0.9	2.7	0.45	2.2	4.9			100.0

* This data is a summary of all ingestion exposures to study agents excluding caustics.

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal		1	154	155	69.5
Abnormal	1	2	65	68	30.5
Unknown					
Total by Observer	1	3	219	Total = 223	
% of Total	0.45	1.4	98.2		

Management:

At home:	213		95.5%
Observation only		10	4.7%
Ipecac		1	0.47%
Demulcents		165	77.5%
Dilution		70	32.9%
Irrigation		18	8.5%
Other		0	
Already in emergency room:	2		0.9%
Referred to emergency room:	6		2.7%
Notified E.R.		6	100.0%
Patient arrived		6	100.0%
Patient did not arrive		0	
Home care prior to referral:		3	50.0%
Ipecac		0	
Demulcent		3	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	1		0.45%
Sent to personal physician:	1		0.45%
Notified physician		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		1	100.0%
Irrigation		1	100.0%
Other		0	
Other	0		

Emergency Room and Physician Management :

Patient status:	10		100.0%
Asymptomatic		5	50.0%
Symptomatic		5	50.0%
Unknown		0	
Does not apply		0	
Treatment:	10		100.0%
None		4	40.0%
Demulcents		5	50.0%
Lavage		0	
Emesis		1	10.0%
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	10		100.0%
Sent home		9	90.0%
Admitted to hospital		1	10.0%
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

	214	96.0%
Home	5	2.2%
Outdoors	0	
School	2	0.9%
Workplace	0	
Unknown	2	0.9%
Other		

If in Home, Room:

	66	30.8%
Kitchen	0	
Dining room	6	2.8%
Living room	95	44.4%
Bathroom	7	3.3%
Bedroom	1	0.5%
Family room	32	15.0%
Laundry room	4	1.9%
Basement	0	
Garage	0	
Unknown	3	1.4%
Other		

Patient Seen in Emergency Room:

Yes	8	3.6%
No	215	96.4%

Type of Container:*

	132	58.7%
Pour-out bottle/can	16	7.1%
Squeeze bottle (non-spray)	7	3.1%
Spray bottle/can (non-pressurized)	15	6.7%
Aerosol spray bottle/can (pressurized)	33	14.7%
Carton/box	12	5.3%
Paper wrapper	0	
Unknown	10	4.4%
Other		

Product in Original Container:

Yes	129	57.9%
No	94	42.2%

Condition of Product:

	165	74.0%
As purchased	57	25.6%
Diluted/dissolved in water	0	
Other	1	0.45%
Unknown		

* Data from 2 exposures involving mixed products are tabulated here; therefore, N = 225, rather than 223.

Warning Label on Product: *

Yes	108	48.0%
Type of warning:		
Ingestion	63	58.3%
Eye	65	60.2%
Skin	23	21.3%
Keep out of reach of children	81	75.0%
Do not use with toilet bowl cleaners	19	17.6%
Do not breathe vapor	4	3.7%
Do not use with bleach	0	
Did not notice	0	
Unknown	1	0.9%
Other	6	5.6%
Had patient/parent read warning prior to accident:		
Yes	57	52.8%
No	49	45.4%
Other	1	0.9%
Unknown	1	0.9%
No	78	34.7%
Did not notice	22	9.8%
Unknown	16	7.1%
Other	1	0.4%

Product Status at Time of Incident:

In use:	158	70.9%
On floor	23	14.6%
On sink/counter top	47	29.8%
On table	15	9.5%
On washer/dryer	5	3.2%
Tubside/shower	38	24.1%
Oven	0	
Dishwasher	7	4.4%
Toilet bowl	3	1.9%
Other	18	11.4%
	2	1.3%
In storage:	60	26.9%
On low shelves (<3' high)	7	11.7%
On high shelves (>3' high)	10	16.7%
Medicine chest	1	1.7%
Closet floor	1	1.7%
Under sink	20	33.3%
On window sill	1	1.7%
Tubside/shower	2	3.3%
Garbage	6	10.0%
Other	12	20.0%
Unknown	2	0.9%
Other	3	1.4%

* Data from 2 exposures involving mixed products are tabulated here; therefore, N = 225, rather than 223.

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	2	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	201	90.1%
1-3 teaspoonsful	18	8.1%
1-3 tablespoonsful	2	0.9%
1/5-1/2 cupful	2	0.9%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	221	99.1%
Inflicted by another person	2	0.9%

Type of Initial Treatment Given After Exposure:

None	10	
Gave water or milk	212	
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	6	

Basis for Initial Treatment Given:

None (no specific reason)	6	2.7%
Information on product label	14	6.3%
Advice from poison control center	136	61.0%
Advice from physician	0	
Personal judgement	71	31.8%
Advice from non-professional	0	
Unknown	3	1.4%
Other	2	0.9%

Effects of Incident Experienced by Patient:

None	140	62.8%
Nausea	3	1.4%
Abdominal pain	11	4.9%
Emesis	34	15.3%
Number of episodes:		
1		21 61.8%
2		4 11.8%
3 or more		9 26.5%
Diarrhea	41	18.4%
Mucosal effects:	9	4.0%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	7	1		1
Esophagus	1			
Stomach				
Other (Specify)		1		

Time Required for Symptoms to Subside:

If managed at home:	78	34.9%
<1 hour		38 48.7%
1-4 hours		7 9.0%
4-12 hours		15 19.2%
12-24 hours		8 10.3%
24-96 hours		5 6.4%
>96 hours		5 6.4%
If seen in emergency room or physician's office:	5	2.2%
<1 hour		1 20.0%
1-4 hours		1 20.0%
4-12 hours		1 20.0%
12-24 hours		2 40.0%
24-96 hours		0
>96 hours		0

Distribution of Calls by Day and Time Block
For the Pilot Study

DAY OF THE WEEK

TIME	DAY OF THE WEEK							Total by time	Mean by time*	% of Total
	SUN	MON	TUES	WED	THURS	FRI	SAT			
0001-0400						1	1	2	0.3	0.9
0401-0800								0		
0801-1200	4	6	12	4	7	1	7	41	5.9	18.4
1201-1600	5	9	13	9	10	7	6	59	8.4	26.5
1601-2000	8	10	10	8	8	12	14	70	10.0	31.4
2001-2359	2	9	9	9	7	5	10	51	7.3	22.9
N/R										
Total by Day	19	34	44	30	32	26	38	TOTAL	223	
Mean by Day**	1.5	2.6	3.2	2.3	2.5	2.0	2.9			
% of Total	8.5	15.3	19.7	13.5	14.4	11.7	17.0			

* Calculated by dividing the total number of cases per time block by the number of days per week.

** Calculated by dividing the total number of cases per individual day by the number of individual days per reporting period.

TABLE C-2
 Frequency of Calls by Agent and Time
 Block at Which Symptoms Subsided for the
 Pilot Study

INITIAL CALL	SYMPTOMS SUBSIDED AT (HOURS)						TOTAL FREQUENCY	%	SUBSTANCE
	< 1	1-4	4-12	12-24	24-96	>96			
06600000							13	5.8	AUTOMATIC DISHWASHING GRANUL
06600100	1						1	0.5	Calgonite
06600200									Cascade
06600300									Dishwasher All
06600400	3						3	1.3	Finish
06600500	1	1					2	0.9	Electrosol
06600600	6	1					7	3.1	Other Electric Dishwashin Detergents Without Bleach
06600700									Other Electric Dishwashin Detergents With Bleach
60000000							20	8.9	BAR SOAPS
06000100									Camay
06000200									Caress
06000300									Dove
06000400	1						1	0.5	Dial
06000500	1						1	0.5	Irish Spring
06000600	1				1		2	0.9	Ivory
06000700									Life Buoy
06000800									Lux
06000900									Palmolive
06001000							1	0.5	Safeguard
06001100									Woodbury
06001200	1						1	0.5	Zest
06001300	7						8	3.6	Other Bar Soaps
06001400	2		1+				5	2.2	Liquid Hand Soaps
06001500	1				1*		1	0.5	Borax Powdered Hand Soap

* Case managed in emergency room or physician's office.

+ More than one product involved in exposure.

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	SYMPTOMS SUBSIDED AT (HOURS)						TOTAL FREQUENCY	%	SUBSTANCE
	< 1	1-4	4-12	12-24	24-96	> 96			
04500000							37	16.5	BLEACHES
04500100							1	0.5	Granular Containing Na2O2
04500200							2	0.9	Granular Containing NaBO3
04500300									Granular Containing Sodium Hypochlorite
04500400									Granular Containing Other
04500500									Liquid Containing Na2O2
04500600									Liquid Containing NaBO3
04500700	2		1,1*		1		6	2.7	Liquid Containing Sodium Hypochlorite
04500800									Liquid Containing Other
04500900									Commercial Bleaches
04501000									Bleaches Mixed With Other Cleaning Agents
04500001									Beads 'O' Bleach
04500002	10,3*						26	11.6	Clorox
04500003	1						2	0.9	Purex
06700000							9	4.0	DISHWASHING LIQUIDS
06700100							1	0.5	Ajax
06700200									A & P
06700300									Chiffon
06700400							1	0.5	Dawn
06700500							2	0.9	Ivory Liquid
06700600							3	1.3	Joy
06700700									Lux
06700800									Palmolive
06700900									Swan
06701000									Thrill
06701100									Trend
06701200									Vel
06701300	1						2	0.9	Other Dishwashing Liquid

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96	TOTAL FREQUENCY	%	SUBSTANCE
06300000							11	4.9	FABRIC CARE PRODUCTS
06300100									Bounce
06300200							2	0.9	Downy
06300300									Nu-Soft
06300400	1						2	0.9	Spray 'N Wash
06300500							1	0.5	Other Fabric Softeners
06300600									Other Fabric Whiteners
06300700									Shoe Polish
06300900							4	1.8	Bluing Powder
06303000				1			2	0.9	Other Hydrocarb/Det/Prew
06304000									Other Detergent Prewashe
06500000							17	1.3	GRANULAR LAUNDRY DETERGENT
06500100	1						3		All
06500200									Ajax
06500300									Amway
06500400									Arm & Hammer
06500500									Axion
06500600									Biz
06500700									Bold
06500800									Bonus
06500900									Breeze
06501000							1	0.5	Cheer
06501100									Cold Power
06501200									Dash
06501300									Dreft
06501400									Drive
06501500									Duz Detergent
06501600									Duz Soap
06501700									Fab
06501800							2	0.9	Gain
06501900									Ivory Flakes
06502000									Ivory Snow
06502100									Miracle White
06502200									Oxydol
06502300									Rinso
06502400									Salvo
06502500									Sears

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	SYMPTOMS SUBSIDED AT (HOURS)							TOTAL FREQUENCY	%	SUBSTANCE
	< 1	1-4	4-12	12-24	24-96	> 96				
06502600	1						3	1.3	Silver Dust	
06502700									Tide	
06502800									Topco	
06502900									Trend	
06503000									White Sail	
06503100	1	1*					2	0.9	Other Enzyme Laundry Pre-Detergents with Borates	
06503200	1						4	1.8	Other Anionic Detergents	
06503300	1		1				2	0.9	Other Low Phosphate Detergents	
06503400									Other Detergents with Enzymes	
06503500									Other Detergents with Bleach	
06503600									and/or Bacteriocidal Products	
06200000							52	23.1	HOUSEHOLD CARE PRODUCTS	
06200100	2	1					3	1.3	AJax Cleaner	
06200200							1	0.5	AJax With Ammonia	
06200300							7	3.1	Comet	
06200400							1	0.5	Handy Andy	
06200500	1						1	0.5	Janitor In A Drum	
06200600								0.	Lestoif	
06200700	6	1		1			9	4.0	Lysol Cleaner	
06200800							2	0.9	Mr. Clean	
06200900	1,1+								Spic & Span	
06201000									Top-Job	
06201100	5						6	2.7	Window Cleaners	
06201200	2,1+						3	1.3	Ammonia Cleaner	
06201300	1						1	0.5	Other Granular Floor/Wall Cleaners	
06201400	3			1			4	1.8	Other Liquid Floor/Wall Cleaners	
06201500	3						3	1.3	Other Cleaners with Bleach and/or Bacteriocidal Products	
06201600	4						4	1.8	Pine-Sol	
06201700									Copper Cleaners	
06201800									Apex	

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	SYMPTOMS SUBSIDED AT (HOURS)						TOTAL FREQUENCY	%	SUBSTANCE
	<1	1-4	4-12	12-24	24-96	> 96			
06201900	1						1	0.5	Tide Bowl
06202000									409 Cleaner
06202100	1						1	0.5	Blue Boy
06203000									Sani-Blue
06204000									Sno Bowl
062005000	1						1	0.5	Other Tub & Tile Cleaners
062006000	3	1					5	2.2	Other Toilet Bowl Cleaners
062007000									Other Anionic Detergents
06400000							14	6.2	LIQUID LAUNDRY DETERGENTS
06400100									Cold Water All
06400200	3	1		1			6	2.7	Era
06400300							1	0.5	Dynamo
06400400									Sears
06400500									Wisk
06400600	1,1*		1				3	1.3	Other Liquid Laundry Det.
06400700	3						1	0.5	Grease Relief
06400800							3	1.3	Other Non-Ionic Detergents
06800000	6,1*						13	5.8	RUG AND UPHOLSTERY SHAMPOOS
06100000							39	17.4	SHAMPOOS
06100100	1								Alberto VO-5
06100200	6						10	0.5	Breck
06100300							1	4.5	Head and Shoulders
06100400	3						1	0.5	Herbal Essence
06100500	1						5	2.2	Johnson and Johnson
06100600							1	0.5	Prell
06100700									Protein 21
06100800									Selsun Blue
06100900									White Rain
06101000	10	3	5,1+			2	21	9.3	Other Shampoos

Summary: Frequency of Calls by Agent and Time Block at Which Symptoms Subsided for the Pilot Study

CODE	SYMPTOMS SUBSIDED AT (HOURS)							TOTAL FREQUENCY	%	SUBSTANCE
	INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96			
06600000	11	2						13	5.8%	Automatic Dishwashing Det.
06000000	14	3	1+	1,1*				20	8.9%	Bar Soaps
04500000	15,3*	10,1*	2,1*	1,1*	2			37	16.5%	Bleaches
06700000	3	3	2	1				9	4.0%	Dishwashing Liquids
06300000	9	1		1				11	4.9%	Fabric Care Products
06500000	9	4	1	1		1		17	7.6%	Granular Laundry Det.
06200000	39,2+	3	1	2		2		52	23.1%	Household Care Products
06400000	7,1*	3	2	1				14	6.2%	Liquid Laundry Det.
06800000	6,1*	5			1			13	5.8%	Rug & Upholstery Shampoos
06100000	21	4	6,1+		2	2		39	17.3%	Shampoos

* Case managed in emergency room or physician's office.

+ More than one product involved in exposure.

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category AUTOMATIC DISHWASHING GRANULES,
06600000, for the Period July 15 - October 14, 1975

13

<u>Calls by Source:</u>	13	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	13	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		2	1								3	23.1
Female	1	4	2	2					1		10	76.9
Sex N/R												
Total By Age	1	6	3	2					1		13	
% of Total	7.7	46.2	23.1	15.4					7.7			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			9	9	69.2
Abnormal			4	4	30.8
Unknown					
Total by Observer			13	Total = 13	
% of Total			100.0		

Management:

At home:	13		100.0%
Observation only		0	
Ipecac		0	
Demulcents		13	100.0%
Dilution		3	23.1%
Irrigation		1	7.7%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	13	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	11	84.6%
Dining room	0	
Living room	0	
Bathroom	0	
Bedroom	0	
Family room	0	
Laundry room	2	15.4%
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	13	100.0%

Type of Container:

Pour-out bottle/can	0	
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	13	100.0%
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	6	46.2%
No	7	53.8%

Condition of Product:

As purchased	7	53.8%
Diluted/dissolved in water	6	46.2%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	11	84.6%
Type of warning:		
Ingestion	11	100.0%
Eye	9	81.8%
Skin	1	9.1%
Keep out of reach of children	6	54.6%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	7	63.6%
No	4	36.4%
Other	0	
Unknown	0	
No	1	7.7%
Did not notice	1	7.7%
Unknown	0	
Other	0	

Product Status at Time of Incident:

In use:	9	69.2%
On floor	1	11.1%
On sink/counter top	1	11.1%
On table	0	
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	5	55.6%
Toilet bowl	0	
Other	1	11.1%
Unknown	1	11.1%
In storage:	4	30.8%
On low shelves (<3' high)	0	
On high shelves (>3' high)	2	50.0%
Medicine chest	0	
Closet floor	0	
Under sink	2	50.0%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	0	
Unknown	0	
Other	0	

If More Than One Product Involved, Were Products:

Separate	0.
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	13	100.0%
1-3 teaspoonsful	0	
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	13	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	13	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	7.7%

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	5	38.5%
Advice from poison control center	9	69.2%
Advice from physician	0	
Personal judgement	1	7.7%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	11		84.6%
Nausea	0		
Abdominal pain	0		
Emesis	2		15.4%
Number of episodes:			
1		1	50.0%
2		1	50.0%
3 or more		0	
Diarrhea	0		
Mucosal effects:	0		

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	2		15.4%
<1 hour		2	100.0%
1-4 hours		0	
4-12 hours		0	
12-24 hours		0	
24-96 hours		0	
>96 hours		0	
If seen in emergency room or physician's office:	0		
<1 hour			
1-4 hours			
4-12 hours			
12-24 hours			
24-96 hours			
>96 hours			

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category BAR SOAPS, 0600000,
for the Period July 15 - October 14, 1975

19

<u>Calls by Source:</u>	19	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	19	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	5	6	1	1							13	68.4
Female	1	3	1	1							6	31.6
Sex N/R												
Total By Age	6	9	2	2							19	
% of Total	31.6	47.4	10.5	10.5								100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			16	16	84.2
Abnormal			3	3	15.8
Unknown					
Total by Observer			19	Total = 19	
% of Total			100.0		

Management:

At home:	18		94.7%
Observation only		1	5.6%
Ipecac		0	
Demulcents		13	72.2%
Dilution		5	27.8%
Irrigation		0	
Other		0	
Already in emergency room:	0		
Referred to emergency room:	1		5.3%
Notified E.R.		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcent		1	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	1		5.3%
Asymptomatic		1	100.0%
Symptomatic		0	
Unknown		0	
Does not apply		0	
Treatment:	1		5.3%
None		1	100.0%
Demulcents		0	
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	1		5.3%
Sent home		1	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	17	89.5%
Outdoors	1	5.3%
School	0	
Workplace	1	5.3%
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	0	
Dining room	0	
Living room	0	
Bathroom	17	100.0%
Bedroom	0	
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	1	5.3%
No	18	94.7%

Type of Container:

Pour-out bottle/can	3	15.8%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	2	10.5%
Paper wrapper	11	57.9%
Unknown	0	
Other	3	15.8%

Product in Original Container:

Yes	8	42.1%
No	11	57.9%

Condition of Product:

As purchased	19	100.0%
Diluted/dissolved in water	0	
Other	0	
Unknown	0	

Warning Label on Product:

Yes	6		31.6%
Type of warning:			
Ingestion		2	33.3%
Eye		2	33.3%
Skin		0	
Keep out of reach of children		5	84.3%
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		0	
Do not use with bleach		0	
Did not notice		0	
Unknown		0	
Other		0	
Had patient/parent read warning prior to accident:			
Yes		1	16.7%
No		5	84.3%
Other		0	
Unknown		0	
No	12		63.2%
Did not notice	0		
Unknown	1		5.3%
Other	0		

Product Status at Time of Incident:

In use:	14		73.7%
On floor		1	7.1%
On sink/counter top		3	21.4%
On table		0	
On washer/dryer		0	
Tubside/shower		10	71.4%
Oven		0	
Dishwasher		0	
Toilet bowl		0	
Other		0	
In storage:	5		26.3%
On low shelves (<3' high)		1	20.0%
On high shelves (>3' high)		1	20.0%
Medicine chest		0	
Closet floor		0	
Under sink		3	60.0%
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		0	
Unknown	0		
Other	0		

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	17	89.5%
1-3 teaspoonsful	2	10.5%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	19	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	2	10.5%
Gave water or milk	16	84.2%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	5.3%

Basis for Initial Treatment Given:

None (no specific reason)	1	5.3%
Information on product label	0	
Advice from poison control center	12	63.2%
Advice from physician	0	
Personal judgement	5	26.3%
Advice from non-professional	0	
Unknown	1	5.3%
Other	0	

Effects of Incident Experienced by Patient:

None	14	73.7%
Nausea	0	
Abdominal pain	1	5.3%
Emesis	2	10.5%
Number of episodes:		
1		2 100.0%
2		0
3 or more		0
Diarrhea	3	15.8%
Mucosal effects:	2	10.5%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	2			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	4		21.1%
<1 hour		3	75.0%
1-4 hours		0	
4-12 hours		0	
12-24 hours		1	25.0%
24-96 hours		0	
>96 hours		0	
If seen in emergency room or physician's office:	1		5.3%
<1 hour		0	
1-4 hours		0	
4-12 hours		0	
12-24 hours		1	100.0%
24-96 hours		0	
>96 hours		0	

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category BLEACHES, 04500000
for the Period July 15 - October 14, 1975

37

<u>Calls by Source:</u>	37	100.0%
Emergency room	1	2.7%
Physician	1	2.7%
Paraprofessional	0	
Consumer	35	94.6%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	2	7	4	2		2		1	1		19	51.4
Female		5	7			2		1	3		18	48.7
Sex N/R												
Total By Age	2	12	11	2		4		2	4		37	
% of Total	5.4	32.4	29.7	5.4		10.8		5.4	10.8			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal		1	16	17	46.0
Abnormal	1	1	18	20	54.1
Unknown					
Total by Observer	1	2	34	Total = 37	
% of Total	2.7	5.4	91.9		

Management:

At home:	31		83.8%
Observation only		2	6.5%
Ipecac		0	
Demulcents		26	83.9%
Dilution		9	29.0%
Irrigation		2	6.5%
Other		0	
Already in emergency room:	1		2.7%
Referred to emergency room:	3		8.1%
Notified E.R.		3	100.0%
Patient arrived		3	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	33.3%
Ipecac		0	
Demulcent		1	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	1		2.7%
Sent to personal physician:	1		2.7%
Notified physician		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		1	100.0%
Irrigation		1	100.0%
Other		0	
Other	0		

Emergency Room and Physician Management:

Patient status:	6		16.2%
Asymptomatic		3	50.0%
Symptomatic		3	50.0%
Unknown		0	
Does not apply		0	
Treatment:	6		16.2%
None		1	16.7%
Demulcents		5	83.3%
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	6		16.2%
Sent home		6	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	36	97.3%
Outdoors	1	2.7%
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	18	50.0%
Dining room	0	
Living room	0	
Bathroom	8	22.2%
Bedroom	0	
Family room	0	
Laundry room	10	27.8%
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	4	10.8%
No	33	89.2%

Type of Container:

Pour-out bottle/can	36	97.3%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	1	2.7%
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	13	35.1%
No	24	64.9%

Condition of Product:

As purchased	24	64.9%
Diluted/dissolved in water	13	35.1%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	27		73.0%
Type of warning:			
Ingestion		25	92.6%
Eye		24	88.9%
Skin		21	77.8%
Keep out of reach of children		26	96.3%
Do not use with toilet bowl cleaners		19	70.4%
Do not breathe vapor		0	
Do not use with bleach		0	
Did not notice		0	
Unknown		0	
Other		1	3.7%
Had patient/parent read warning prior to accident:			
Yes		11	40.7%
No		14	51.9%
Other		1	3.7%
Unknown		1	3.7%
No	0		
Did not notice	5		13.5%
Unknown	5		13.5%
Other	0		

Product Status at Time of Incident:

In use:	29		78.4%
On floor		5	17.2%
On sink/counter top		11	37.9%
On table		3	10.3%
On washer/dryer		3	10.3%
Tubside/shower		1	3.5%
Oven		0	
Dishwasher		1	3.5%
Toilet bowl		1	3.5%
Other		4	13.7%
In storage:	8		21.6%
On low shelves (<3' high)		0	
On high shelves (>3' high)		2	25.0%
Medicine chest		0	
Closet floor		0	
Under sink		3	37.5%
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		3	37.5%
Unknown	0		
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	29	78.4%
1-3 teaspoonsful	7	18.9%
1-3 tablespoonsful	0	
1/5-1/2 cupful	1	2.7%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	36	97.3%
Inflicted by another person	1	2.7%

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	37	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	2.7%

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	7	18.9%
Advice from poison control center	19	51.4%
Advice from physician	0	
Personal judgement	13	35.1%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	18	48.7%
Nausea	1	2.7%
Abdominal pain	1	2.7%
Emesis	12	32.4%
Number of episodes:		
1	7	58.3%
2	2	16.7%
3 or more	3	25.0%
Diarrhea	4	10.8%
Mucosal effects:	4	10.8%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	3			1
Esophagus	1			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	16		43.2%
<1 hour		10	62.5%
1-4 hours		1	6.3%
4-12 hours		2	12.5%
12-24 hours		1	6.3%
24-96 hours		2	12.5%
>96 hours		0	
If seen in emergency room or physician's office:	3		8.1%
<1 hour		1	33.3%
1-4 hours		0	
4-12 hours		1	33.3%
12-24 hours		1	33.3%
24-96 hours		0	
>96 hours		0	

Effects of Incident Experienced by Patient:

None	18	48.7%
Nausea	1	2.7%
Abdominal pain	1	2.7%
Emesis	12	32.4%
Number of episodes:		
1	7	58.3%
2	2	16.7%
3 or more	3	25.0%
Diarrhea	4	10.8%
Mucosal effects:	4	10.8%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	3			1
Esophagus	1			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	16		43.2%
<1 hour		10	62.5%
1-4 hours		1	6.3%
4-12 hours		2	12.5%
12-24 hours		1	6.3%
24-96 hours		2	12.5%
>96 hours		0	
If seen in emergency room or physician's office:	3		8.1%
<1 hour		1	33.3%
1-4 hours		0	
4-12 hours		1	33.3%
12-24 hours		1	33.3%
24-96 hours		0	
>96 hours		0	

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category DISHWASHING LIQUIDS,
06700000, for the Period July 15 - October 14, 1975

9

<u>Calls by Source:</u>	9	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	9	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	1		1	1					2		5	55.6
Female		1	2					1			4	44.4
Sex N/R												
Total By Age	1	1	3	1				1	2		9	
% of Total	11.1	11.1	33.3	11.1				11.1	22.2			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			7	7	77.8
Abnormal			2	2	22.2
Unknown					
Total by Observer			9	Total = 9	
% of Total			100.0		

Management:

At home:	9		100.0%
Observation only		0	
Ipecac		0	
Demulcents		7	77.8%
Dilution		3	33.3%
Irrigation		0	
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	8	88.9%
Outdoors	1	11.1%
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	7	87.5%
Dining room	0	
Living room	0	
Bathroom	1	12.5%
Bedroom	0	
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	9	100.0%

Type of Container:

Pour-out bottle/can	0	
Squeeze bottle (non-spray)	9	100.0%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	4	44.4%
No	5	55.6%

Condition of Product:

As purchased	6	66.7%
Diluted/dissolved in water	3	33.3%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	0	
Type of warning:		
Ingestion		
Eye		
Skin		
Keep out of reach of children		
Do not use with toilet bowl cleaners		
Do not breathe vapor		
Do not use with bleach		
Did not notice		
Unknown		
Other		
Had patient/parent read warning prior to accident:	0	
Yes		
No		
Other		
Unknown		
No	9	100.0%
Did not notice	0	
Unknown	0	
Other	0	

Product Status at Time of Incident:

In use:	7		77.8%
On floor		1	14.3%
On sink/counter top		5	71.4%
On table		0	
On washer/dryer		0	
Tubside/shower		0	
Oven		0	
Dishwasher		0	
Toilet bowl		0	
Other		0	
Unknown		1	14.3%
In storage:	2		22.2%
On low shelves (<3' high)		0	
On high shelves (>3' high)		0	
Medicine chest		0	
Closet floor		0	
Under sink		2	100.0%
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		0	
Unknown	0		
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	6	66.7%
1-3 teaspoonsful	3	33.3%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	9	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	1	11.1%
Gave water or milk	8	88.9%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	5	55.6%
Advice from physician	0	
Personal judgement	2	22.2%
Advice from non-professional	0	
Unknown	1	11.1%
Other	1	11.1%

Effects of Incident Experienced by Patient:

None	3	33.3%
Nausea	0	
Abdominal pain	1	11.1%
Emesis	1	11.1%
Number of episodes:		
1		0
2		0
3 or more		1
Diarrhea	4	100.0%
Mucosal effects:	0	44.4%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	6	66.7%
<1 hour		3
1-4 hours		0
4-12 hours		2
12-24 hours		1
24-96 hours		0
>96 hours		0
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category, FABRIC CARE PRODUCTS,
06300000, for the Period July 15 - October 14, 1975

11

<u>Calls by Source:</u>	11	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	11	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		5	1	2							8	72.7
Female	1	1	1								3	27.3
Sex N/R												
Total By Age	1	6	2	2							11	
% of Total	9.1	54.5	18.2	18.2								100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			9	9	81.8
Abnormal			2	2	18.2
Unknown					
Total by Observer			11	Total = 11	
% of Total			100.0		

Management:

At home:	11		100.0%
Observation only		0	
Ipecac		0	
Demulcents		11	100.0%
Dilution		1	9.1%
Irrigation		4	36.4%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified ER			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:			
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	11	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	1	9.1%
Dining room	0	
Living room	1	9.1%
Bathroom	1	9.1%
Bedroom	1	9.1%
Family room	0	
Laundry room	7	63.6%
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	11	100.0%

Type of Container:

Pour-out bottle/can	3	27.3%
Squeeze bottle (non-spray)	1	9.1%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	7	63.6%
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	10	90.9%
No	1	9.1%

Condition of Product:

As purchased	10	90.9%
Diluted/dissolved in water	1	9.1%
Other	0	
Unknown	0	

Warning Label On Product:

Yes	7		63.6%
Type of warning:			
Ingestion		4	
Eye		6	
Skin		0	
Keep out of reach of children		5	
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		3	
Do not use with bleach		0	
Did not notice		0	
Unknown		0	
Other		0	
Had patient/parent read warning prior to accident:			
Yes		2	28.6%
No		5	71.4%
Other		0	
Unknown		0	
No	3		27.3%
Did not notice	1		9.1%
Unknown	0		
Other	0		

Product Status at Time of Incident:

In use:	8		72.7%
On floor		2	25.0%
On sink/counter top		2	25.0%
On table		3	37.5%
On washer/dryer		1	12.5%
Tubside/shower		0	
Oven		0	
Dishwasher		0	
Toilet bowl		0	
Other		0	
In storage:	3		27.3%
On low shelves (<3' high)		2	66.7%
On high shelves (>3' high)		1	33.3%
Medicine chest		0	
Closet floor		0	
Under sink		0	
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		0	
Unknown	0		
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	11	100.0%
1-3 teaspoonsful	0	
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	11	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	11	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	8	72.7%
Advice from physician	0	
Person judgement	3	27.3%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	9	81.8%
Nausea	1	9.1%
Abdominal pain	0	
Emesis	1	9.1%
Number of episodes:		
1		100.0%
2		
3 or more		
Diarrhea	0	
Mucosal effects:	0	

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	2	18.2%
<1 hour		50.0%
1-4 hours		
4-12 hours		
12-24 hours		50.0%
24-96 hours		
>96 hours		
 If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category GRANULAR LAUNDRY DETERGENTS,
06500000, for the Period July 15 - October 14, 1975

17

<u>Calls by Source:</u>	17	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	17	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	5	2	1							11	64.7
Female	1	2	3								6	35.3
Sex N/R												
Total By Age	4	7	5	1							17	
% of Total	23.5	41.2	29.4	5.9								100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			16	16	94.1
Abnormal			1	1	5.9
Unknown					
Total by Observer			17	Total = 17	
% of Total			100.0		

Management:

At home:	16		94.1%
Observation only		1	6.3%
Ipecac		0	
Demulcents		10	62.5%
Dilution		8	50.0%
Irrigation		0	
Other		0	
Already in emergency room:	0		
Referred to emergency room:	1		5.9%
Notified E.R.		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		0	
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	1		5.9%
Asymptomatic		0	
Symptomatic		1	100.0%
Unknown		0	
Does not apply		0	
Treatment:	1		5.9%
None		0	
Demulcents		0	
Lavage		0	
Emesis		1	100.0%
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	1		5.9%
Sent home		1	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	17	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	1	5.9%
Dining room	0	
Living room	0	
Bathroom	3	17.7%
Bedroom	2	11.8%
Family room	0	
Laundry room	8	47.1%
Basement	3	17.7%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	1	5.9%
No	16	94.1%

Type of Container:

Pour-out bottle/can	0	
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	15	88.2%
Paper wrapper	0	
Unknown	0	
Other	2	11.8%

Product in Original Container:

Yes	10	58.8%
No	7	41.2%

Condition of Product:

As purchased	13	76.5%
Diluted/dissolved in water	4	23.5%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	3		17.7%
Type of warning:			
Ingestion		1	33.3%
Eye		2	66.7%
Skin		0	
Keep out of reach of children		2	66.7%
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		0	
Do not use with bleach		0	
Did not notice		0	
Unknown		0	
Other		0	
Had patient/parent read warning prior to accident:			
Yes		1	33.3%
No		2	66.7%
Other		0	
Unknown		0	
No	9		52.9%
Did not notice	2		11.8%
Unknown	3		17.7%
Other	0		

Product Status at Time of Incident:

In use:	5		29.4%
On floor		2	40.0%
On sink/counter top		2	40.0%
On table		0	
On washer/dryer		0	
Tubside/shower		0	
Oven		0	
Dishwasher		0	
Toilet bowl		0	
Other		1	20.0%
In storage:	11		64.7%
On low shelves (<3' high)		0	
On high shelves (>3' high)		1	9.1%
Medicine chest		0	
Closet floor		1	9.1%
Under sink		0	
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		9	81.8%
Unknown	1		5.9%
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	15	88.2%
1-3 teaspoonsful	2	11.8%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	17	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	17	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	10	58.8%
Advice from physician	0	
Personal judgement	8	47.1%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	9	52.9%
Nausea	0	
Abdominal pain	0	
Emesis	3	17.7%
Number of episodes:		
1		3 100.0%
2		0
3 or more		0
Diarrhea	5	29.4%
Mucosal effects:	1	5.9%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth		1		
Esophagus				
Stomach				
Other (Specify)		1		

Time Required for Symptoms to Subside:

If managed at home:	7	41.2%
<1 hour		4 57.1%
1-4 hours		0
4-12 hours		1 14.3%
12-24 hours		1 14.3%
24-96 hours		0
>96 hours		1 14.3%
If seen in emergency room or physician's office:	1	5.9%
<1 hour		0
1-4 hours		1 100.0%
4-12 hours		0
12-24 hours		0
24-96 hours		0
>96 hours		0

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category HOUSEHOLD CARE PRODUCTS,
06200000 for the Period July 15 - October 14, 1975

51

<u>Calls by Source:</u>	51	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	51	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	2	11	8	4	1		1				27	52.9
Female	2	11	5	2	1	2		1			24	47.1
Sex N/R												
Total By Age	4	22	13	6	2	2	1	1			51	
% of Total	7.8	43.1	25.5	11.8	3.9	3.9	2.0	2.0				100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			37	37	72.6
Abnormal			14	14	27.5
Unknown					
Total by Observer			51	Total = 51	
% of Total			100.0		

Management:

At home:	51		100.0%
Observation only		3	
Ipecac		0	
Demulcents		37	72.6%
Dilution		20	39.2%
Irrigation		6	11.8%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	47	92.2%
Outdoors	1	2.0%
School	0	
Workplace	1	2.0%
Unknown	0	
Other	2	3.9%

If in Home, Room:

Kitchen	11	23.4%
Dining room	0	
Living room	1	2.1%
Bathroom	27	57.5%
Bedroom	2	4.3%
Family room	1	2.1%
Laundry room	2	4.3%
Basement	1	2.1%
Garage	0	
Unknown	0	
Other	2	4.3%

Patient Seen in Emergency Room:

Yes	0	
No	51	100.0%

Type of Container:

Pour-out bottle/can	37*	71.2%
Squeeze bottle (non-spray)	2	3.9%
Spray bottle/can (non-pressurized)	6	11.5%
Aerosol spray bottle/can (pressurized)	3	5.8%
Carton/box	2*	3.9%
Paper wrapper	0	
Unknown	0	
Other	2	3.9%

Product in Original Container:

Yes	30	58.8%
No	21	41.2%

Condition of Product:

As purchased	34	66.7%
Diluted/dissolved in water	16	31.4%
Other	0	
Unknown	1	2.0%

* Two products (mixed) were involved in one exposure.

Warning Label on Product:

Yes	26*	50.0%
Type of warning:		
Ingestion	8	30.8%
Eye	13	50.0%
Skin	0	
Keep out of reach of children	16	61.5%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	1	3.9%
Other	5	19.2%
Had patient/parent read warning prior to accident:		
Yes	17	65.4%
No	9	34.6%
Other	0	
Unknown	0	
No	14	26.9%
Did not notice	8	15.4%
Unknown	4	7.7%
Other	0	

Product Status at Time of Incident:

In use:	35	68.6%
On floor	5	14.7%
On sink/counter top	14	41.2%
On table	3	8.8%
On washer/dryer	1	2.9%
Tubside/shower	5	14.7%
Oven	0	
Dishwasher	0	
Toilet bowl	3	8.6%
Other	4	11.8%
In storage:	15	29.4%
On low shelves (<3' high)	4	25.0%
On high shelves (>3' high)	1	6.3%
Medicine chest	0	
Closet floor	0	
Under sink	6	37.5%
On window sill	0	
Tubside/shower	0	
Garbage	4	25.0%
Other	0	
Unknown	1	2.0%
Other	0	

* Two products (mixed) were involved in one exposure.

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	48	94.1%
1-3 teaspoonsful	2	3.9%
1-3 tablespoonsful	0	
1/5-1/2 cupful	1	2.0%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	50	98.0%
Inflicted by another person	1	2.0%

Type of Initial Treatment Given After Exposure:

None	3	5.9%
Gave water or milk	48	94.1%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	2.0%

Basis for Initial Treatment Given:

None (no specific reason)	3	5.9%
Information on product label	0	
Advice from poison control center	33	64.7%
Advice from physician	0	
Personal judgement	15	29.4%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	40		78.4%
Nausea	0		
Abdominal pain	2		3.9%
Emesis	2		3.9%
Number of episodes:			
1		1	50.0%
2		0	
3 or more		1	50.0%
Diarrhea	7		13.7%
Mucosal effects:	2		3.9%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	2			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	11		21.6%
<1 hour		3	27.3%
1-4 hours		3	27.3%
4-12 hours		1	9.1%
12-24 hours		2	18.2%
24-96 hours		0	
>96 hours		2	18.2%
If seen in emergency room or physician's office:	0		
<1 hour			
1-4 hours			
4-12 hours			
12-24 hours			
24-96 hours			
>96 hours			

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category LIQUID LAUNDRY DETERGENTS,
06400000, for the Period July 15 - October 14, 1975

14

<u>Calls by Source:</u>	14	100.0%
Emergency room	1	7.1%
Physician	0	
Paraprofessional	0	
Consumer	13	92.9%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		3	2								5	35.7
Female	1	5	2						1		9	64.3
Sex N/R												
Total By Age	1	8	4						1		14	
% of Total	7.1	57.1	28.6						7.1			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			9	9	64.3
Abnormal		1	4	5	35.7
Unknown					
Total by Observer		1	13	Total = 14	
% of Total		7.1	92.9		

Management:

At home:	13		92.9%
Observation only		0	
Ipecac		0	
Demulcents		11	84.6%
Dilution		4	30.8%
Irrigation		1	7.7%
Other		0	
Already in emergency room:	1		7.1%
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	1		7.1%
Asymptomatic		0	
Symptomatic		1	100.0%
Unknown		0	
Does not apply		0	
Treatment:	1		7.1%
None		1	100.0%
Demulcents		0	
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	1		7.1%
Sent home		0	
Admitted to hospital		1	100.0%
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	13	92.9%
Outdoors	1	7.1%
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	8	61.5%
Dining room	0	
Living room	0	
Bathroom	2	15.4%
Bedroom	0	
Family room	0	
Laundry room	3	23.1%
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	1	7.1%
No	13	92.9%

Type of Container:

Pour-out bottle/can	10	71.4%
Squeeze bottle (non-spray)	3	21.4%
Spray bottle/can (non-pressurized)	1	7.1%
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	8	57.1%
No	6	42.9%

Condition of Product:

As purchased	11	78.6%
Diluted/dissolved in water	3	21.4%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	8	57.1%
Type of warning:		
Ingestion	2	25.0%
Eye	5	62.5%
Skin	0	
Keep out of reach of children	6	75.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	6	75.0%
No	2	25.0%
Other	0	
Unknown	0	
No	3	21.4%
Did not notice	2	14.3%
Unknown	1	7.1%
Other	0	

Product Status at Time of Incident:

In use:	9	64.3%
On floor	0	
On sink/counter top	3	33.3%
On table	3	33.3%
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	1	11.1%
Toilet bowl	0	
Other	2	22.2%
In storage:	5	35.7%
On low shelves (<3' high)	0	
On high shelves (>3' high)	1	20.0%
Medicine chest	0	
Closet floor	0	
Under sink	2	40.0%
On window sill	0	
Tubside/shower	0	
Garbage	2	40.0%
Other	0	
Unknown	0	
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	13	92.9%
1-3 teaspoonsful	0	
1-3 tablespoonsful	1	7.1%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	14	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	14	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	7.1%

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	2	14.3%
Advice from poison control center	6	42.9%
Advice from physician	0	
Personal judgement	6	42.9%
Advice from non-professional	0	
Unknown	0	
Other	1	7.1%

Effects of Incident Experienced by Patient:

None	8	57.1%
Nausea	0	
Abdominal pain	1	7.1%
Emesis	4	28.6%
Number of episodes:		
1		2 50.0%
2		0
3 or more		2 50.0%
Diarrhea	5	35.7%
Mucosal effects:	0	

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	6	42.9%
<1 hour		3 50.0%
1-4 hours		0
4-12 hours		2 33.3%
12-24 hours		1 16.7%
24-96 hours		0
>96 hours		0
 If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category RUG & UPHOLSTERY SHAMPOOS,
06800000, for the Period July 15 - October 14, 1975

13

<u>Calls by Source:</u>	13	100.0%
Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	13	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		2	2						1		5	38.5
Female	1	3	2	1					1		8	61.5
Sex N/R												
Total By Age	1	5	4	1					2		13	
% of Total	7.7	38.5	30.8	7.7					15.4			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			9	9	69.2
Abnormal			4	4	30.8
Unknown					
Total by Observer			13	Total = 13	
% of Total			100.0		

Management:

At home:	12		92.3%
Observation only		1	8.3%
Ipecac		0	
Demulcents		10	83.3%
Dilution		3	25.0%
Irrigation		0	
Other		0	
Already in emergency room:	0		
Referred to emergency room:	1		7.7%
Notified E.R.		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcent		1	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	1		7.7%
Asymptomatic		1	100.0%
Symptomatic		0	
Unknown		0	
Does not apply		0	
Treatment:	1		7.7%
None		1	100.0%
Demulcents		0	
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		0	
Unknown		0	
Disposition:	1		7.7%
Sent home		1	100.0%
Admitted to hospital		0	
Referred to another hospital		0	
Agency referral		0	
Unknown		0	
Other		0	

Place Where Incident Occurred:

Home	13	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	7	53.8%
Dining room	0	
Living room	3	23.1%
Bathroom	1	7.7%
Bedroom	2	15.4%
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	1	7.7%
No	12	92.3%

Type of Container:

Pour-out bottle/can	8	61.5%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	5	38.5%
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	5	38.5%
No	8	61.5%

Condition of Product:

As purchased	7	53.8%
Diluted/dissolved in water	6	46.2%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	7	53.8%
Type of warning:		
Ingestion	1	14.3%
Eye	2	28.6%
Skin	0	
Keep out of reach of children	7	100.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	1	14.3%
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	5	71.4%
No	2	28.6%
Other	0	
Unknown	0	
No	4	30.8%
Did not notice	2	15.4%
Unknown	0	
Other	0	

Product Status at Time of Incident:

In use:	11	84.6%
On floor	3	27.3%
On sink/counter top	4	36.4%
On table	2	18.2%
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	2	18.2%
In storage:	1	7.7%
On low shelves (<3' high)	0	
On high shelves (>3' high)	0	
Medicine chest	0	
Closet floor	0	
Under sink	1	100.0%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	0	
Unknown	0	
Other	1	7.7%

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	13	100.0%
1-3 teaspoonsful	0	
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	13	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	1	7.7%
Gave water or milk	12	92.3%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	9	69.2%
Advice from physician	0	
Personal judgement	3	23.1%
Advice from non-professional	0	
Unknown	1	7.7%
Other	0	

Effects of Incident Experienced by Patient:

None	7	53.8%
Nausea	1	7.7%
Abdominal pain	2	15.4%
Emesis	2	15.4%
Number of episodes:		
1		0
2		1
3 or more		1
Diarrhea	1	50.0%
Mucosal effects:	0	7.7%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	6	46.2%
<1 hour		5
1-4 hours		0
4-12 hours		0
12-24 hours		0
24-96 hours		1
>96 hours		0
16.7%		
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category SHAMPOOS, 06100000
for the Period July 15 - October 14, 1975

39

Calls by Source:

39

100.0%

Emergency room

0

Physician

0

Paraprofessional

0

Consumer

39

100.0%

Hospital

0

Not recorded

0

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	9	4								16	41.0
Female	4	14	3					1	1		23	59.0
Sex N/R												
Total By Age	7	23	7					1	1		39	
% of Total	18.0	59.0	18.0					2.6	2.6			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			26	26	66.7
Abnormal			13	13	33.3
Unknown					
Total by Observer			39	Total = 39	
% of Total			100.0		

Management:

At home:	39		100.0%
Observation only		2	5.1%
Ipecac		1	2.6%
Demulcents		27	69.2%
Dilution		14	35.9%
Irrigation		4	10.3%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	39	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	2	5.1%
Dining room	0	
Living room	1	2.6%
Bathroom	35	89.7%
Bedroom	0	
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	1	2.6%

Patient Seen in Emergency Room:

Yes	0	
No	39	100.0%

Type of Container:

Pour-out bottle/can	35*	87.5%
Squeeze bottle (non-spray)	1	2.5%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	1*	2.5%
Unknown	0	
Other	3	7.5%

Product in Original Container:

Yes	35	89.7%
No	4	10.3%

Condition of Product:

As purchased	34	87.2%
Diluted/dissolved in water	5	12.8%
Other	0	
Unknown	0	

* Two products (mixed) were involved in a single exposure.

Warning Label on Product:

Yes	13	32.5%
Type of warning:		
Ingestion	9	69.2%
Eye	2	15.4%
Skin	0	
Keep out of reach of children	8	61.5%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	7	53.9%
No	6	46.2%
Other	0	
Unknown	0	
No	23	57.5%
Did not notice	1	2.5%
Unknown	2	5.0%
Other	1	2.5%

Product Status at Time of Incident:

In use:	31	79.5%
On floor	3	9.7%
On sink/counter top	2	6.5%
On table	1	3.2%
On washer/dryer	0	
Tubside/shower	22	71.0%
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	3	9.7%
In storage:	6	15.4%
On low shelves (<3' high)	0	
On high shelves (>3' high)	1	16.7%
Medicine chest	1	16.7%
Closet floor	0	
Under sink	1	16.7%
On window sill	1	16.7%
Tubside/shower	2	33.3%
Garbage	0	
Other	0	
Unknown	0	
Other	2	5.1%

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	36	92.3%
1-3 teaspoonsful	2	5.1%
1-3 tablespoonsful	1	2.6%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	39	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	3	7.7%
Gave water or milk	36	92.3%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	2.6%

Basis for Initial Treatment Given:

None (no specific reason)	2	5.1%
Information on product label	0	
Advice from poison control center	25	64.1%
Advice from physician	0	
Personal judgement	16	41.0%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	21	53.9%
Nausea	0	
Abdominal pain	3	7.7%
Emesis	5	12.8%
Number of episodes:		
1		4 80.0%
2		0
3 or more		1 20.0%
Diarrhea	12	30.8%
Mucosal effects:	0	

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	18	46.2%
<1 hour		4 22.2%
1-4 hours		3 16.7%
4-12 hours		7 38.9%
12-24 hours		0
24-96 hours		2 11.1%
>96 hours		2 11.1%
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section D

Pilot Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category STRONG ACIDS, BASES AND PRODUCTS FORMULATED FROM THEM, 00100000 for the Period July 15 - October 14, 1975

32

Calls by Source:

32

100.0%

Emergency room	2	6.3%
Physician	1	3.1%
Paraprofessional	0	
Consumer	29	90.6%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		1	4	5	2			1	1		14	43.8
Female	1	4	5	2		4	1		1		18	56.3
Sex N/R												
Total By Age	1	5	9	7	2	4	1	1	2		32	
% of Total	3.1	15.6	28.1	21.9	6.3	12.5	3.1	3.1	6.3			100.0

Strong Acids, Bases and Products
Formulated From Them - Cont.

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	1		15	16	50.0
Abnormal	2		14	16	50.0
Unknown					
Total by Observer	3		29	Total = 32	
% of Total	9.4		90.6		

Management:

At home:	21		65.6%
Observation only		2	9.5%
Ipecac		0	
Demulcents		13	61.9%
Dilution		13	61.9%
Irrigation		3	14.3%
Other		3	14.3%
Already in emergency room:	2		6.3%
Referred to emergency room:	8		25.0%
Notified E.R.		8	100.0%
Patient arrived		8	100.0%
Patient did not arrive		0	
Home care prior to referral:		8	100.0%
Ipecac		0	
Demulcent		5	62.5%
Irrigation		5	62.5%
Other		0	
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	1		3.1%

Emergency Room and Physician Management: *

Patient status:	11		34.4%
Asymptomatic		1	9.1%
Symptomatic		10	90.9%
Unknown		0	
Does not apply		0	
Treatment:	11		34.4%
None		2	18.2%
Demulcents		5	45.5%
Lavage		0	
Emesis		0	
Activated charcoal		0	
Cathartics		0	
Antidotes		0	
Other		3	27.3%
Unknown		1	9.1%
Disposition:	11		34.4%
Sent home		5	45.5%
Admitted to hospital		2	18.2%
Referred to another hospital		4	36.4%
Agency referral		0	
Unknown		0	
Other		0	

* These data include one case where the patient self-referred to an emergency room after contacting the Poison Control Center.

Strong Acids, Bases and Products
Formulated From Them - Cont.

Place Where Incident Occurred:

Home	22	68.8%
Outdoors	9	28.1%
School	0	
Workplace	1	3.1%
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	11	50.0%
Dining room	0	
Living room	0	
Bathroom	6	27.3%
Bedroom	0	
Family room	0	
Laundry room	1	4.6%
Basement	2	9.1%
Garage	0	
Unknown	0	
Other	2	9.1%

Patient Seen in Emergency Room:

Yes	11	34.4%
No	21	65.6%

Type of Container:

Pour-out bottle/can	15	46.9%
Squeeze bottle (non-spray)	2	6.3%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	1	3.1%
Carton/box	3	9.4%
Paper wrapper	0	
Unknown	3	9.4%
Other	8	25.0%

Product in Original Container:

Yes	17	53.1%
No	15	46.9%

Condition of Product:

As purchased	23	71.9%
Diluted/dissolved in water	9	28.1%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	23		71.9%
Type of warning:			
Ingestion		18	78.3%
Eye		15	65.2%
Skin		10	43.5%
Keep out of reach of children		12	52.2%
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		3	13.0%
Do not use with bleach		3	13.0%
Did not notice		0	
Unknown		1	4.4%
Other		0	
Had patient/parent read warning prior to accident:			
Yes		7	30.4%
No		12	52.2%
Other		4	17.4%
Unknown		0	
No	0		
Did not notice	4		12.5%
Unknown	5		15.6%
Other	0		

Product Status at Time of Incident:

In use:	15		46.9%
On floor		1	6.7%
On sink/counter top		1	6.7%
On table		4	26.7%
On washer/dryer		0	
Tubside/shower		0	
Oven		1	6.7%
Dishwasher		0	
Toilet bowl		4	26.7%
Other		4	26.7%
In storage:	16		50.0%
On low shelves (<3' high)		2	12.5%
On high shelves (>3' high)		1	6.3%
Medicine chest		1	6.3%
Closet floor		0	
Under sink		2	12.5%
On window sill		0	
Tubside/shower		0	
Garbage		5	31.3%
Other		5	31.3%
Unknown	0		
Other	1		3.1%

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	26	81.3%
1-3 teaspoonsful	3	9.4%
1-3 tablespoonsful	1	3.1%
1/5-1/2 cupful	2	6.3%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental	32	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	2	6.3%
Gave water or milk	29	90.6%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	5	15.6%

Basis for Initial Treatment Given:

None (no specific reason)	2	6.3%
Information on product label	5	15.6%
Advice from poison control center	13	40.6%
Advice from physician	0	
Personal judgement	15	46.9%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	18	56.3%
Nausea	0	
Abdominal pain	0	
Emesis	4	12.5%
Number of episodes:		
1		25.0%
2		50.0%
3 or more		25.0%
Diarrhea	2	6.3%
Mucosal effects:	13	40.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	7	4		1
Esophagus	2			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	5	15.6%
<1 hour	0	
1-4 hours	0	
4-12 hours	2	40.0%
12-24 hours	0	
24-96 hours	2	40.0%
>96 hours	1	20.0%
If seen in emergency room or physician's office:	9*	28.1%
<1 hour	1	11.1%
1-4 hours	0	
4-12 hours	0	
12-24 hours	2	22.2%
24-96 hours	1	11.1%
>96 hours	5	55.6%

* These data include one case where the patient self-referred to an emergency room after contacting the Poison Control Center.

TABLE D-1

Frequency of Calls by Agent and Time Block
At Which Symptoms Subsided
Pilot Study

Symptoms Subsided at (Hours)

Code	Initial Call	<1	1-4	4-12	12-24	24-96	>96	Total Frequency	%	Substance
100000								32		Strong Acids, Bases and Products Formulated From Them
0100200	1	1*						2		Hydrochloric Acid
0100300	1*,2				1*	1		5		Phosphoric Acid
0100400	6							6		Other Mineral Acids
				1				2		Vanish
						1*				Dip It
00800										Sodium Hydroxide
	1*,2				1*		2*	6		Drano
	1							1		Easy Off Oven Cleaner
							1*	1		Lewis Lye
00900	1			1				2		Sodium Carbonate
01000							1*	1		Trisodium Phosphate
01100	3							3		Lime
01200						1	1*,1	3		Ammonia Ampule

*Cases seen in emergency rooms or physician's offices.

Section E

Comprehensive Study

Summary of Ingestion Exposures to All
Study Agents Excluding Caustics

Total Number of Calls Received by IRPCC for the Period February 1 -
October 31, 1976 15,397

Total Number of Calls Involving Exposures to Study Products (Ingestion,
Inhalation, Percutaneous, Ocular, Other) for the Period February 1 -
October 31, 1976 971

Total Number of Calls Involving Ingestion Exposures to Study Products and
Included in the Soap and Detergent Association Project for the Period
February 1 - October 31, 1976 545*

Calls by Source:

Emergency room	12	2.2%
Physician	5	1.0%
Paraprofessional	11	2.0%
Consumer	517	94.9%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	38	127	82	19	10	9	2	2	11	0	300	55.0
Female	33	103	57	21	3	3	2	8	15	0	245	45.0
Sex N/R												
Total By Age	71	230	139	40	13	12	4	10	26	0	545	
% of Total	13.0	42.2	25.5	7.3	2.4	2.2	0.7	1.8	4.8			100.0

* This data is a summary of all ingestion exposures to study agents excluding caustics.

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	4	6	390	400	73.4
Abnormal	7	5	133	145	26.6
Unknown	0	0	0	0	
Total by Observer	11	11	523	Total = 545	
% of Total	2.0	2.0	96.0		

Management:

At home:	507		93.0%
Observation only		42	8.3%
Ipecac		6	1.2%
Demulcents		322	63.4%
Dilution		206	40.6%
Irrigation		26	5.1%
Other		6	1.2%
Already in emergency room:	11		2.0%
Referred to emergency room:	18		3.3%
Notified E.R.		11	61.1%
Patient arrived		18	100.0%
Patient did not arrive		0	
Home care prior to referral:		4	22.2%
Ipecac		0	
Demulcent		4	22.2%
Irrigation		3	16.7%
Other		0	
Already in physician's office:	4		0.7%
Sent to personal physician:	3		0.5%
Notified physician		0	
Patient arrived		2	66.7%
Patient did not arrive		1	33.2%
Home care prior to referral:		3	100.0%
Ipecac		1	33.3%
Demulcents		0	
Irrigation		1	33.3%
Other		1	33.3%
Other	2*		0.3%

* In both these cases patients were self-referred to a health care facility after home management and are included in the tabulation on the following page.

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	12	32.4%
Symptomatic	24	64.9%
Unknown	1	2.7%
Does not apply	0	
Treatment:		
None	6	16.2%
Demulcents	17	45.9%
Lavage	3	8.1%
Emesis	5	13.5%
Activated charcoal	1	2.7%
Cathartics	2	5.4%
Antidotes	0	
Other	10	27.0%
Unknown	1	2.7%
Disposition:		
Sent home	33	89.2%
Admitted to hospital	1	2.7%
Referred to another hospital	1	2.7%
Agency referral	0	
Unknown	1	2.7%
Other	1	2.7%

Place Where Incident Occurred:

Home	518	95.0%
Outdoors	20	3.7%
School	0	
Workplace	1	0.2%
Unknown	0	
Other	6	1.1%

If in Home, Room:

Kitchen	241	46.4%
Dining room	2	0.4%
Living room	13	2.5%
Bathroom	138	26.8%
Bedroom	15	2.9%
Family room	1	0.2%
Laundry room	82	15.8%
Basement	18	3.5%
Garage	0	
Unknown	4	0.8%
Other	4	0.8%

Patient Seen in Emergency Room:

Yes	30	5.5%
No	515	94.5%

Type of Container:

Pour-out bottle/can	298	54.6%
Squeeze bottle (non-spray)	42	7.7%
Spray bottle/can (non-pressurized)	25	4.6%
Aerosol spray bottle/can (pressurized)	41	7.5%
Carton/box	91	16.7%
Paper wrapper	38	7.0%
Unknown	1	0.2%
Other	9	1.7%

Product in Original Container:

Yes	286	52.5%
No	259	47.5%

Condition of Product:

As purchased	402	73.8%
Diluted/dissolved in water	135	24.8%
Other	6	1.1%
Unknown	2	0.4%

Warning Label on Product:

Yes	245	45.0%
Type of warning:		
Ingestion	185	75.5%
Eye	202	82.4%
Skin	100	40.8%
Keep out of reach of children	200	81.6%
Do not use with toilet bowl cleaners	46	18.8%
Do not breathe vapor	6	2.4%
Do not use with bleach	0	
Did not notice	0	
Unknown	4	1.6%
Other	1	0.4%
Had patient/parent read warning prior to accident:		
Yes	116	47.3%
No	116	47.3%
Other	2	0.8%
Unknown	11	4.5%
No	140	25.7%
Did not notice	127	23.3%
Unknown	26	4.8%
Other	7	1.3%

Product Status at Time of Incident:

In use:	397	72.8%
On floor	79	19.9%
On sink/counter top	135	34.0%
On table	41	10.3%
On washer/dryer	25	6.3%
Tubside/shower	40	10.1%
Oven	0	
Dishwasher	33	8.3%
Toilet bowl	9	2.3%
Other	35	8.8%
In storage:	134	24.6%
On low shelves (<3' high)	12	9.0%
On high shelves (>3' high)	29	21.6%
Medicine chest	0	
Closet floor	0	
Under sink	72	53.4%
On window sill	1	0.7%
Tubside/shower	1	0.7%
Garbage	15	11.2%
Other	4	3.0%
Unknown	14	2.6%
Other	0	

If More Than One Product Involved, Were Products:

Separate	2	20.0%
Mixed	8	80.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	488	89.5%
1-3 teaspoonsful	47	8.6%
1-3 tablespoonsful	8	1.5%
1/5-1/2 cupful	2	0.4%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	536	98.3%
Inflicted by another person	9	1.6%

Type of Initial Treatment Given After Exposure

None	18	3.3%
Gave water or milk	511	93.8%
Gave an emetic	7	1.3%
Unknown	7	1.3%
Other home treatment or first-aid	25	4.6%

Basis for Initial Treatment Given:

None (no specific reason)	12	2.2%
Information on product label	48	8.8%
Advice from poison control center	388	71.2%
Advice from physician	13	2.4%
Personal judgement	232	42.6%
Advice from non-professional	4	0.7%
Unknown	1	0.2%
Other	5	0.9%

Effects of Incident Experienced by Patient:

None	341	62.6%
Nausea	8	1.5%
Abdominal pain	8	1.5%
Emesis	91	16.7%
Number of episodes:		
1		43 47.3%
2		13 14.3%
3 or more		35 38.5%
Diarrhea	73	13.4%
Mucosal effects:	63	11.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	37	7		12
Esophagus	11			
Stomach				1
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	175	85.8%
<1 hour		74 42.3%
1-4 hours		18 10.3%
4-12 hours		32 18.3%
12-24 hours		18 10.3%
24-96 hours		25 14.3%
>96 hours		8 4.6%
If seen in emergency room or physician's office:	29	14.2%
<1 hour		14 48.3%
1-4 hours		3 10.3%
4-12 hours		2 6.9%
12-24 hours		1 3.4%
24-96 hours		8 27.6%
>96 hours		1 3.4%

Distribution of Calls by Day and Time Block for the
Period February 1 - October 31, 1976

DAY OF THE WEEK

TIME	SUN	MON	TUES	WED	THURS	FRI	SAT	Total by time	Mean by time *	% of Total
0001-0400		3						3	.43	0.5
0401-0800	1					2		3	.43	0.5
0801-1200	16	21	27	23	24	25	17	153	21.86	28.1
1201-1600	7	25	18	17	17	27	17	128	18.28	23.5
1601-2000	22	30	37	15	25	31	15	175	25.00	32.1
2001-2359	12	13	15	10	12	9	12	83	11.86	15.2
N/R										
Total by day	58	92	97	65	78	94	61	TOTAL	545	
Mean by day**	1.45	2.36	2.49	1.67	2.00	2.41	1.56			
% of total	10.6	16.9	17.8	11.9	14.3	17.2	11.2			

* Calculated by dividing the total number of cases per time block by the number of days per week.

** Calculated by dividing the total number of cases per individual day by the number of individual days per reporting period.

Frequency of Calls by Agent and Time Block at Which Symptoms Subsided for the Period February 1 - October 31, 1976

SYMPTOMS SUBSIDED AT (HOURS)								TOTAL FREQUENCY	%	SUBSTANCE
INITIAL CALL	< 1	1-4	4-12	12-24	24-96	>96				
06600000							44	8.0	AUTOMATIC DISHWASHING GRANULES	
06600100						1	2	0.4	Calgonite	
06600200							7	1.3	Cascade	
06600300					1		3	0.5	Dishwasher All	
06600400							5	0.9	Finish	
06600500	1,1*	1		1,1*			10	1.8	Electrosol	
06600600	6,1*, 1+				1,3*		17	3.1	Other Electric Dishwashing Detergents Without Bleach	
06600700									Other Electric Dishwashing Detergents With Bleach	
06000000							44	8.0	BAR SOAPS	
06000100			1				2	0.4	Camay	
06000200									Caress	
06000300									Dove	
06000400		1			1		5	0.9	Dial	
06000500			1				5	0.9	Irish Spring	
06000600				2			12	2.2	Ivory	
06000700	1			1		2			Life Buoy	
06000800									Lux	
06000900									Palmolive	
06001000	1						3	0.5	Safeguard	
06001100	1								Woodbury	
06001200									Zest	
06001300			2		1		12	2.2	Other Bar Soaps	
06001400							2	0.4	Liquid Hand Soaps	
06001500	1						1	0.2	Borax Powdered Hand Soap	

* Case managed in emergency room or physician's office.
 + More than one product involved in exposure.

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96	TOTAL FREQUENCY	%	SUBSTANCE
04500000							103	18.9	BLEACHES
04500100							3	0.5	Granular Containing Na2O2
04500200							1	0.2	Granular Containing NaBO3
04500300							1		Granular Containing Sodium Hypochlorite
04500400	1						1	0.2	Granular Containing Other
04500500							1		Liquid Containing Na2O2
04500600	5	1			1		16	2.9	Liquid Containing NaBO3
04500700							16		Liquid Containing Sodium Hypochlorite
04500800							1		Liquid Containing Other
04500900							1		Commercial Bleaches
04501000							1		Bleaches Mixed With Other Cleaning Agents
04500001							73	13.4	Beads 'O' Bleach
04500002	22,3*	2	5	2	6	1,1*	9	1.6	Clorox
04500003	1	1	1*				9		Purex
06700000							41	7.5	DISHWASHING LIQUIDS
06700100							2	0.4	Ajax
06700200		1		1			2		A & P
06700300							1	0.2	Chiffon
06700400	1				1		4	0.7	Dawn
06700500	1						4	0.7	Ivory Liquid
06700600	1			1			4	0.7	Joy
06700700	1						3	0.5	Lux
06700800	1						4	0.7	Palmolive
06700900							4		Swan
06701000							1		Thrill
06701100					1		1		Trend
06701200	2,1+			3	1	1	1	0.2	Vel
06701300							18	3.3	Other Dishwashing Liquids

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96	TOTAL FREQUENCY	%	SUBSTANCE
6300000							37	6.8	FABRIC CARE PRODUCTS
06300100							2	0.4	Bounce
06300200	1*						6	1.1	Downy
06300300									Nu-Soft
06300400		1					5	0.9	Spray 'N Wash
06300500							8	1.5	Other Fabric Softeners
06300600									Other Fabric Whiteners
06300700									Shoe Polish
06300900									Bluing Powder
06303000	1,1*						15	2.7	Other Hydrocarb/Det. Prewashes
06304000	1						1	0.2	Other Detergent Prewashes
5000000							39	0.2	GRANULAR LAUNDRY DETERGENTS
06500100							1	0.2	All
06500200									Ajax
06500300									Amway
06500400									Arm & Hammer
06500500									Axion
06500600	1						2	0.4	Biz
06500700		1,1*					4	0.7	Bold
06500800									Bonus
06500900									Breeze
06501000	1						2	0.4	Cheer
06501100									Cold Power
06501200							1	0.2	Dash
06501300									Dreft
06501400									Drive
06501500									Duz Detergent
06501600									Duz Soap
06501700									Fab
06501800									Gain
06501900									Ivory Flakes
06502000									Ivory Snow
06502100									Miracle White
06502200									Oxydol
06502300									Rinso
06502400	1						1	0.2	Salvo
06502500	1						1	0.2	Sears

SYMPTOMS SUBSIDED AT (HOURS)

INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96	TOTAL FREQUENCY		SUBSTANCE
							%		
06502600	5	2	1	2			10	1.8	Silver Dust
06502700									Tide
06502800									Topco
06502900									Trend
06503000									White Sail
06503100									Other Enzyme Laundry Presoa
06503200	2	1,1*	1		1	1	4	0.7	Detergents with Borates
06503300	4		1*				6	1.1	Other Anionic Detergents
06503400	1		1				5	0.9	Other Low Phosphate Deterge
06503500									Other Detergents with Enzym
06503600									Other Detergents with Bleach
									and/or Bacteriocidal Prop.
06503700	1						1	0.2	Other Non-Ionic Detergents
06200000							208	38.1	HOUSEHOLD CARE PRODUCTS
06200100	9		4				13	2.4	Ajax Cleaner
06200200	1,1+		1				3	0.5	Ajax With Ammonia
06200300	28	2	2	1			33	6.0	Comet
06200400									Handy Andy
06200500									Janitor In A Drum
06200600									Lestoil
06200700	11,1*	6,3*	4	1	1,1*	1	30	5.5	Lysol Cleaner
06200800	6						6	1.0	Mr. Clean
06200900	1						1	0.2	Spic & Span
06201000									Top-Job
06201100	10,1*	2					16	2.9	Window Cleaners
06201200	14,2*,1+	2,1+		1	1,3*,1+		28	5.1	Ammonia Cleaner
06201300	1	1*					2	0.4	Other Granular Floor/Wall Cl
06201400	10,1+		3		2,1*,1+		19	3.5	Other Liquid Floor/Wall Cl.
06201500	3,1+						6	1.0	Other Cleansers with Bleach.
									and/or Bacteriocidal Proper
06201600	12,1*	1,1*	2				17	3.1	Pine-Sol
06201700									Copper Cleaners
06201800									Apex

INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96	FREQUENCY	%	SUBSTANCE
06201900	1						11	2.0	Tide Bowl
06202000									409 Cleaner
06202100									Blue Boy
06203000									Sani-Blue
06204000									Sno Bowl
06205000	6			1			7	1.3	Other Tub and Tile Cleaners
06206000	3						4	0.9	Other Toilet Bowl Cleaners
06207000	6	2	1				12	2.2	Other anionic detergents
06400000	3						25	4.6	LIQUID LAUNDRY DETERGENTS
06400100									Cold Water All
06400200	1						1	0.7	Era
06400300	3			1			12	2.2	Dynamo
06400400									Sears
06400500	1						1	0.2	Wisk
06400600	3						4	0.7	Other Liquid Laundry Det.
06400600	6						7	1.3	Other Non-ionic Detergents
06800000	3	1		1			9	1.6	RUG AND UPHOLSTERY SHAMPOOS

Summary: Frequency of Calls by Agent and Time Block
at Which Symptoms Subsided for the Period
February 1 - October 31, 1976

CODE	SYMPTOMS SUBSIDED AT (HOURS)										TOTAL FREQUENCY	%	SUBSTANCE
	INITIAL CALL	< 1	1-4	4-12	12-24	24-96	> 96						
06600000	28,1*,1 ⁺	4,1*	1		1,1*	2,3*	1		44	8.0	Automatic Dishwashing Detergen		
06000000	27	4	1	4	4	2	2		44	8.0	Bar Soaps		
04500000	46,2*,1 ⁺	29,3*	4	6,1*	2	7	1,1*		103	18.7	Bleaches		
06700000	24	6,1 ⁺	1		5	3	1		41	7.5	Dishwashing Liquids		
06300000	31,1*	1,2*	1	1					37	6.7	Fabric Care Products		
06500000	22	5,1*	3,1*	3,1*		1	2		39	7.1	Granular Laundry Detergents		
06200000	131,5*,4 ⁺	17,5*,1 ⁺	6,2*	17	4	8,5*,2 ⁺	1		208	37.8	Household Care Products		
06400000	17	6		1	1				25	4.5	Liquid Laundry Detergents		
06800000	3	1,2*	1		1	1			9	1.6	Rug & Upholstery Shampoos		

* Case managed in emergency room or physician's office. + More than one product involved in exposure.

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category AUTOMATIC DISHWASHING GRANULES,
06600000, for the Period February 1 - October 31, 1976

43

Calls by Source:

Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	43	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	8	9	2	2		2					23	53.5
Female	5	10	3						2		20	46.5
Sex N/R												
Total By Age	13	19	5	2		2			2		43	
% of Total	30.2	44.2	11.6	4.7		4.7			4.7			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			33	33	76.7
Abnormal			10	10	23.3
Unknown					
Total by Observer			43	Total = 43	
% of Total			100.0		

Management:

At home:	36		
Observation only		1	83.7%
Ipecac		0	2.8%
Demulcents		22	61.1%
Dilution		21	58.3%
Irrigation		5	13.9%
Other		1	2.8%
Already in emergency room:	0		
Referred to emergency room:	6		14.0%
Notified E.R.		5	83.3%
Patient arrived		6	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	16.7%
Ipecac		0	
Demulcent		0	
Irrigation		1	16.7%
Other		1	16.7%
Already in physician's office:	0		
Sent to personal physician:	1		2.3%
Notified physician		0	
Patient arrived		0	
Patient did not arrive		1	100.0%
Home care prior to referral:		1	100.0%
Ipecac		0	
Demulcents		0	
Irrigation		1	100.0%
Other		1	100.0%
Other	0		

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	2	33.3%
Symptomatic	4	66.7%
Unknown	0	
Does not apply	0	
Treatment:		
None	2	33.3%
Demulcents	3	50.0%
Lavage	0	
Emesis	0	
Activated charcoal	0	
Cathartics	0	
Antidotes	0	
Other	1	16.7%
Unknown	0	
Disposition:		
Sent home	4	66.7%
Admitted to hospital	1	16.7%
Referred to another hospital	1	16.7%
Agency referral	0	
Unknown	0	
Other	0	

Place Where Incident Occurred:

Home	43	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	43	100.0%
Dining room	0	
Living room	0	
Bathroom	0	
Bedroom	0	
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	6	14.0%
No	37	86.0%

Type of Container:

Pour-out bottle/can	1	2.3%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	40	93.0%
Paper wrapper	0	
Unknown	0	
Other	2	4.7%

Product in Original Container:

Yes	7	16.3%
No	36	83.7%

Condition of Product:

As purchased	22	51.2%
Diluted/dissolved in water	21	48.8%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	32	74.4%
Type of warning:		
Ingestion	30	69.8%
Eye	29	67.4%
Skin	20	46.5%
Keep out of reach of children	25	58.1%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	17	53.1%
No	15	46.9%
Other	0	
Unknown	0	
No	2	4.7%
Did not notice	6	14.0%
Unknown	3	7.0%
Other	0	

Product Status at Time of Incident:

In use:	36	83.7%
On floor	2	5.6%
On sink/counter top	1	2.8%
On table	0	
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	33	91.7%
Toilet bowl	0	
Other	0	
In storage:	7	16.3%
On low shelves (<3' high)	0	
On high shelves (>3' high)	3	42.9%
Medicine chest	0	
Closet floor	0	
Under sink	3	42.9%
On window sill	0	
Tubside/shower	0	
Garbage	1	14.3%
Other	0	
Unknown	0	
Other	0	

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	41	95.3%
1-3 teaspoonsful	2	4.7%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	43	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure

None	0	
Gave water or milk	43	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	1	2.3%

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	12	27.9%
Advice from poison control center	11	25.6%
Advice from physician	0	
Personal judgement	26	60.5%
Advice from non-professional	0	
Unknown	1	2.3%
Other	0	

Effects of Incident Experienced by Patient:

None	29	67.4%
Nausea	0	
Abdominal pain	0	
Emesis	5	11.6%
Number of episodes:		
1		2 40.0%
2		2 40.0%
3 or more		1 20.0%
Diarrhea	5	11.6%
Mucosal effects:	5	11.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	4	2		
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	9	20.9%
<1 hour		4 44.4%
1-4 hours		1 11.1%
4-12 hours		0
12-24 hours		1 11.1%
24-96 hours		2 22.2%
>96 hours		1 11.1%
If seen in emergency room or physician's office:	5	11.6%
<1 hour		1 20.0%
1-4 hours		0
4-12 hours		0
12-24 hours		1 20.0%
24-96 hours		3 60.0%
>96 hours		0

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category BAR SOAPS, 0600000,
for the Period February 1 - October 31, 1976

44

Calls by Source:

Emergency room	0	
Physician	0	
Paraprofessional	1	2.3%
Consumer	43	97.7%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	10	11	2		1	1			1		26	59.1
Female	6	9	1	1		1					18	40.9
Sex N/R												
Total By Age	16	20	3	1	1	2			1		44	
% of Total	36.4	45.4	6.8	2.3	2.3	9.1			2.3			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			37	37	84.1
Abnormal			7	7	15.9
Unknown					
Total by Observer			44	Total = 44	
% of Total			100.0		

Management:

At home:	44		100.0%
Observation only		5	11.4%
Ipecac		1	2.3%
Demulcents		28	63.6%
Dilution		14	31.8%
Irrigation		1	2.3%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Bar Soaps - Cont.

Place Where Incident Occurred:

Home	44	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	1	2.3%
Dining room	0	
Living room	0	
Bathroom	42	95.5%
Bedroom	1	2.3%
Family room	0	
Laundry room	0	
Basement	0	
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	44	100.0%

Type of Container:

Pour-out bottle/can	2	4.5%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	1	2.3%
Paper wrapper	38	86.4%
Unknown	1	2.3%
Other	2	4.5%

Product in Original Container:

Yes	6	13.6%
No	38	86.4%

Condition of Product:

As purchased	43	97.7%
Diluted/dissolved in water	1	2.3%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	2		2.3%
Type of warning:			
Ingestion		1	50.0%
Eye		0	
Skin		0	
Keep out of reach of children		1	50.0%
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		0	
Do not use with bleach		0	
Did not notice		0	
Unknown		0	
Other		0	
Had patient/parent read warning prior to accident:			
Yes		1	50.0%
No		1	50.0%
Other		0	
Unknown		0	
No	31		70.5%
Did not notice	10		22.7%
Unknown	1		2.3%
Other	0		

Product Status at Time of Incident:

In use:	41		93.2%
On floor		1	2.4%
On sink/counter top		12	29.3%
On table		0	
On washer/dryer		8	19.5%
Tubside/shower		18	43.9%
Oven		0	
Dishwasher		0	
Toilet bowl		1	2.4%
Other		1	2.4%
In storage:	3		6.8%
On low shelves (<3' high)		1	33.3%
On high shelves (>3' high)		0	
Medicine chest		0	
Closet floor		0	
Under sink		2	66.7%
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		0	
Unknown	0		
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	41	93.2%
1-3 teaspoonsful	2	4.5%
1-3 tablespoonsful	0	
1/5-1/2 cupful	1	2.3%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	43	97.7%
Inflicted by another person	1	2.3%

Type of Initial Treatment Given After Exposure

None	1	2.3%
Gave water or milk	39	88.6%
Gave an emetic	1	2.3%
Unknown	1	2.3%
Other home treatment or first-aid	2	4.5%

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	27	61.4%
Advice from physician	0	
Personal judgement	18	40.9%
Advice from non-professional	0	
Unknown	0	
Other	1	2.3%

Effects of Incident Experienced by Patient:

None	27	61.4%
Nausea	0	
Abdominal pain	1	2.3%
Emesis	5	11.4%
Number of episodes:		
1		2 40.0%
2		1 20.0%
3 or more		2 40.0%
Diarrhea	11	25.0%
Mucosal effects:	2	4.5%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	2			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	17	100.0%
<1 hour		4 23.5%
1-4 hours		1 5.9%
4-12 hours		5 29.4%
12-24 hours		3 17.6%
24-96 hours		2 11.8%
>96 hours		2 11.8%
 If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category BLEACHES, 04500000
for the Period February 1 - October 31, 1976

103

Calls by Source:

Emergency room	6	5.8%
Physician	1	1.0%
Paraprofessional	1	1.0%
Consumer	95	92.2%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	18	23	3	2	4	1		5		59	57.3
Female	4	17	7	7	1		1	3	4		44	42.7
Sex N/R												
Total By Age	7	35	30	10	3	4	2	3	9		103	
% of Total	6.8	34.0	29.1	9.7	2.9	3.9	1.9	2.9	8.7			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	1	1	54	56	54.4
Abnormal	3	2	42	47	45.6
Unknown					
Total by Observer	4	3	96	Total = 103	
% of Total	3.9	2.9	93.2		

Management:

At home:	96		93.2%
Observation only		6	6.3%
Ipecac		0	
Demulcents		64	66.7%
Dilution		38	39.6%
Irrigation		3	3.1%
Other		3	3.1%
Already in emergency room:	5		4.9%
Referred to emergency room:	1		1.0%
Notified E.R.		0	
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:			
Ipecac		0	
Demulcent		1	100.0%
Irrigation		0	
Other		0	
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	1*		1.0%

* The patient was self-referred to health care facility after home management and is included in the tabulation on the following page.

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	3	42.9%
Symptomatic	4	57.1%
Unknown	0	
Does not apply	0	
Treatment:		
None	1	14.3%
Demulcents	4	57.1%
Lavage	0	
Emesis	1	14.3%
Activated charcoal	0	
Cathartics	0	
Antidotes	0	
Other	1	14.3%
Unknown	1	14.3%
Disposition:		
Sent home	7	100.0%
Admitted to hospital	0	
Referred to another hospital	0	
Agency referral	0	
Unknown	0	
Other	0	

Place Where Incident Occurred:

Home	93	90.3%
Outdoors	8	7.8%
School	0	
Workplace	1	1.0%
Unknown	0	
Other	1	1.0%

If in Home, Room:

Kitchen	40	43.0%
Dining room	1	1.1%
Living room	1	1.1%
Bathroom	16	17.2%
Bedroom	1	1.1%
Family room	0	
Laundry room	26	28.0%
Basement	8	8.6%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	6	5.9%
No	97	94.2%

Type of Container:

Pour-out bottle/can	97	94.2%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	5	4.9%
Paper wrapper	0	
Unknown	0	
Other	1	1.0%

Product in Original Container:

Yes	45	43.7%
No	58	56.3%

Condition of Product:

As purchased	70	68.0%
Diluted/dissolved in water	32	31.1%
Other	0	
Unknown	1	1.0%

Warning Label on Product:

Yes	68	66.0%
Type of warning:		
Ingestion	66	97.1%
Eye	66	97.1%
Skin	57	83.8%
Keep out of reach of children	63	92.6%
Do not use with toilet bowl cleaners	53	77.9%
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	2	2.9%
Other	0	
Had patient/parent read warning prior to accident:		
Yes	32	47.1%
No	32	47.1%
Other	1	1.5%
Unknown	3	4.4%
No	1	1.0%
Did not notice	28	27.2%
Unknown	2	1.9%
Other	4	3.9%

Product Status at Time of Incident:

In use:	84	81.6%
On floor	20	23.8%
On sink/counter top	35	41.7%
On table	8	9.5%
On washer/dryer	11	13.1%
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	10	11.9%
In storage:	17	16.5%
On low shelves (<3' high)	4	23.5%
On high shelves (>3' high)	1	5.9%
Medicine chest	0	
Closet floor	1	5.9%
Under sink	5	29.4%
On window sill	0	
Tubside/shower	0	
Garbage	5	29.4%
Other	1	5.9%
Unknown	2	1.9%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	84	81.6%
1-3 teaspoonsful	15	14.6%
1-3 tablespoonsful	3	2.9%
1/5-1/2 cupful	1	1.0%
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	103	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	4	3.9%
Gave water or milk	100	97.1%
Gave an emetic	1	1.0%
Unknown	0	
Other home treatment or first-aid	4	3.9%

Basis for Initial Treatment Given:

None (no specific reason)	2	1.9%
Information on product label	19	18.4%
Advice from poison control center	47	45.6%
Advice from physician	3	2.9%
Personal judgement	38	36.9%
Advice from non-professional	0	
Unknown	1	1.0%
Other	1	1.0%

Effects of Incident Experienced by Patient:

None	49	47.6%
Nausea	1	1.0%
Abdominal pain	3	2.9%
Emesis	35	34.0%
Number of episodes:		
1	18	51.4%
2	5	14.3%
3 or more	12	34.3%
Diarrhea	6	5.9%
Mucosal effects:	21	20.4%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	11			7
Esophagus	6			
Stomach				1
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	49	90.7%
<1 hour	29	59.2%
1-4 hours	4	8.2%
4-12 hours	6	12.2%
12-24 hours	2	4.1%
24-96 hours	7	14.3%
>96 hours	1	2.0%
 If seen in emergency room or physician's office:	5	9.3%
<1 hour	3	60.0%
1-4 hours	0	
4-12 hours	1	20.0%
12-24 hours	0	
24-96 hours	0	
>96 hours	1	20.0%

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category DISHWASHING LIQUIDS,
06700000, for the Period February 1 - October 31, 1976

40

Calls by Source:

Emergency room	0	
Physician	0	
Paraprofessional	2	5.0%
Consumer	38	95.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	2	12	6	4					2		26	65.0
Female	2	6	1	2				1	2		14	35.0
Sex N/R												
Total By Age	4	18	7	6				1	4		40	
% of Total	10.0	45.0	17.5	15.0				2.5	10.0			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal		2	27	29	72.5
Abnormal			11	11	27.5
Unknown					
Total by Observer		2	38	Total = 40	
% of Total		5.0	95.0		

Management:

At home:	40		100.0%
Observation only		5	12.5%
Ipecac		0	
Demulcents		21	52.5%
Dilution		16	40.0%
Irrigation		1	2.5%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	36	90.0%
Outdoors	4	10.0%
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	30	83.3%
Dining room	0	
Living room	0	
Bathroom	4	11.1%
Bedroom	1	2.8%
Family room	0	
Laundry room	0	
Basement	1	2.8%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	40	100.0%

Type of Container:

Pour-out bottle/can	10	25.0%
Squeeze bottle (non-spray)	30	75.0%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	15	37.5%
No	25	62.5%

Condition of Product:

As purchased	26	65.0%
Diluted/dissolved in water	14	35.0%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	5	12.5%
Type of warning:		
Ingestion	0	
Eye	2	40.0%
Skin	0	
Keep out of reach of children	5	100.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	3	60.0%
No	2	40.0%
Other	0	
Unknown	0	
No	21	52.5%
Did not notice	8	20.0%
Unknown	5	12.5%
Other	1	2.5%

Product Status at Time of Incident:

In use:	27	67.5%
On floor	2	7.4%
On sink/counter top	21	77.8%
On table	1	3.7%
On washer/dryer	0	
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	3	11.1%
In storage:	11	27.5%
On low shelves (<3' high)	0	
On high shelves (>3' high)	0	
Medicine chest	0	
Closet floor	0	
Under sink	11	100.0%
On window sill	0	
Tubside/shower	0	
Garbage	0	
Other	0	
Unknown	2	5.0%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0	
Mixed	1	100.0%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	34	85.0%
1-3 teaspoonsful	4	10.0%
1-3 tablespoonsful	2	5.0%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	40	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure

None	2	5.0%
Gave water or milk	36	90.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	2	5.0%

Basis for Initial Treatment Given:

None (no specific reason)	1	2.5%
Information on product label	0	
Advice from poison control center	21	52.5%
Advice from physician	0	
Personal judgement	17	42.5%
Advice from non-professional	0	
Unknown	1	2.5%
Other	0	

Effects of Incident Experienced by Patient:

None	24	60.0%
Nausea	0	
Abdominal pain	1	2.5%
Emesis	7	17.5%
Number of episodes:		
1		6 85.7%
2		0
3 or more		1 14.3%
Diarrhea	8	20.0%
Mucosal effects:	2	5.0%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus	2			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	16	100.0%
<1 hour		6 37.5%
1-4 hours		1 6.3%
4-12 hours		0
12-24 hours		5 31.3%
24-96 hours		3 18.8%
>96 hours		1 6.3%
If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category FABRIC CARE PRODUCTS,
06300000, for the Period February 1 - October 31, 1976

37

Calls by Source:

Emergency room	1	2.7%
Physician	0	
Paraprofessional	2	5.4%
Consumer	34	91.9%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	3	8	8	1	1						21	56.8
Female	1	8	3	2		1			1		16	43.2
Sex N/R												
Total By Age	4	16	11	3	1	1			1		37	
% of Total	10.8	43.2	29.7	8.1	2.7	2.7			2.7			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	1		31	32	86.5
Abnormal			5	5	13.5
Unknown					
Total by Observer	1		36	Total = 37	
% of Total	2.7		97.3		

Management:

At home:	34		91.9%
Observation only		4	11.8%
Ipecac		0	
Demulcents		22	64.7%
Dilution		9	26.5%
Irrigation		3	8.1%
Other		0	
Already in emergency room:	1		2.7%
Referred to emergency room:	1		2.7%
Notified E.R.		0	
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		0	
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	1		2.7%
Notified physician		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:			
Ipecac		0	
Demulcents		1	100.0%
Irrigation		0	
Other		0	
Other	0		

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	3	100.0%
Symptomatic	0	
Unknown	0	
Does not apply	0	
Treatment:		
None	1	33.3%
Demulcents	1	33.3%
Lavage	0	
Emesis	1	33.3%
Activated charcoal	0	
Cathartics	0	
Antidotes	0	
Other	0	
Unknown	0	
Disposition:		
Sent home	3	100.0%
Admitted to hospital	0	
Referred to another hospital	0	
Agency referral	0	
Unknown	0	
Other	0	

Place Where Incident Occurred:

Home	37	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	9	24.3%
Dining room	1	2.7%
Living room	1	2.7%
Bathroom	2	5.4%
Bedroom	2	5.4%
Family room	1	2.7%
Laundry room	17	45.9%
Basement	3	8.1%
Garage	0	
Unknown	0	
Other	1	2.7%

Patient Seen in Emergency Room:

Yes	1	2.7%
No	36	97.3%

Type of Container:

Pour-out bottle/can	8	21.6%
Squeeze bottle (non-spray)	1	2.7%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	24	64.9%
Carton/box	3	8.1%
Paper wrapper	0	
Unknown	0	
Other	1	2.7%

Product in Original Container:

Yes	31	83.8%
No	6	16.2%

Condition of Product:

As purchased	33	89.2%
Diluted/dissolved in water	0	
Other	4	10.8%
Unknown	0	

Warning Label on Product:

Yes	24	64.9%
Type of warning:		
Ingestion	19	79.2%
Eye	18	75.0%
Skin	0	
Keep out of reach of children	24	100.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	1	4.2%
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	0	
Had patient/parent read warning prior to accident:		
Yes	13	54.2%
No	7	29.2%
Other	0	
Unknown	4	16.7%
No	7	18.9%
Did not notice	6	16.2%
Unknown	0	
Other	0	

Product Status at Time of Incident:

In use:	26	70.3%
On floor	4	15.4%
On sink/counter top	4	15.4%
On table	5	19.2%
On washer/dryer	7	26.9%
Tubside/shower	0	
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	6	23.1%
In storage:	10	27.0%
On low shelves (<3' high)	2	20.0%
On high shelves (>3' high)	4	40.0%
Medicine chest	0	
Closet floor	0	
Under sink	1	10.0%
On window sill	0	
Tubside/shower	0	
Garbage	1	10.0%
Other	2	20.0%
Unknown	1	2.7%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	35	94.6%
1-3 teaspoonsful	2	5.4%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	35	94.6%
Inflicted by another person	2	5.4%

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	36	97.3%
Gave an emetic	1	2.7%
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	25	67.6%
Advice from physician	2	5.4%
Personal judgement	17	45.9%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	32		86.5%
Nausea	0		
Abdominal pain	0		
Emesis	3		8.1%
Number of episodes:			
1		1	33.3%
2		0	
3 or more		2	66.7%
Diarrhea	2		5.4%
Mucosal effects:	0		

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	3		60.0%
<1 hour		1	33.3%
1-4 hours		1	33.3%
4-12 hours		1	33.3%
12-24 hours		0	
24-96 hours		0	
>96 hours		0	
If seen in emergency room or physician's office:	2		40.0%
<1 hour		2	100.0%
1-4 hours		0	
4-12 hours		0	
12-24 hours		0	
24-96 hours		0	
>96 hours		0	

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category GRANULAR LAUNDRY DETERGENTS,
06500000, for the Period February 1 - October 31, 1976

39

Calls by Source:

Emergency room	0	
Physician	1	2.6%
Paraprofessional	0	
Consumer	38	97.4%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	1	14	5	2			1				23	59.0
Female	2	8	4	1					1		16	41.0
Sex N/R												
Total By Age	3	22	9	3			1		1		39	
% of Total	7.7	56.4	23.1	7.7			2.6		2.6			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			29	29	74.4
Abnormal	1		9	10	25.6
Unknown					
Total by Observer	1		38	Total = 39	
% of Total	2.6		97.4		

Management:

At home:	36		92.3%
Observation only		1	2.8%
Ipecac		2	5.6%
Demulcents		26	72.2%
Dilution		13	36.1%
Irrigation		4	11.1%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	2		5.1%
Notified E.R.		1	50.0%
Patient arrived		2	100.0%
Patient did not arrive		0	
Home care prior to referral:		1	50.0%
Ipecac		0	
Demulcent		0	
Irrigation		0	
Other		1	50.0%
Already in physician's office:	1		2.6%
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	0	
Symptomatic	3	100.0%
Unknown	0	
Does not apply	0	
Treatment:		
None	1	33.3%
Demulcents	0	
Lavage	0	
Emesis	0	
Activated charcoal	0	
Cathartics	1	33.3%
Antidotes	0	
Other	1	33.3%
Unknown	0	
Disposition:		
Sent home	3	100.0%
Admitted to hospital	0	
Referred to another hospital	0	
Agency referral	0	
Unknown	0	
Other	0	

Place Where Incident Occurred:

Home	38	97.4%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	1	2.6%

If in Home, Room:

Kitchen	8	21.1%
Dining room	0	
Living room	0	
Bathroom	6	15.8%
Bedroom	0	
Family room	0	
Laundry room	22	57.9%
Basement	1	2.6%
Garage	0	
Unknown	1	2.6%
Other	0	

Patient Seen in Emergency Room:

Yes	2	5.1%
No	37	94.9%

Type of Container:

Pour-out bottle/can	2	5.1%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	36	92.3%
Paper wrapper	0	
Unknown	0	
Other	1	2.6%

Product in Original Container:

Yes	25	64.1%
No	14	35.9%

Condition of Product:

As purchased	33	84.6%
Diluted/dissolved in water	5	12.8%
Other	1	2.6%
Unknown	0	

Warning Label on Product:

Yes	10		25.6%
Type of warning:			
Ingestion		9	90.0%
Eye		7	70.0%
Skin		0	
Keep out of reach of children		8	80.0%
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		0	
Do not use with bleach		0	
Did not notice		0	
Unknown		0	
Other		0	
Had patient/parent read warning prior to accident:			
Yes		4	40.0%
No		5	50.0%
Other		0	
Unknown		1	10.0%
No	18		46.2%
Did not notice	10		25.6%
Unknown	1		2.6%
Other	0		

Product Status at Time of Incident:

In use:	31		79.5%
On floor		18	58.1%
On sink/counter top		8	20.5%
On table		1	3.2%
On washer/dryer		2	6.5%
Tubside/shower		0	
Oven		0	
Dishwasher		0	
Toilet bowl		0	
Other		2	6.5%
In storage:	8		25.8%
On low shelves (<3' high)		0	
On high shelves (>3' high)		3	37.5%
Medicine chest		0	
Closet floor		1	12.5%
Under sink		3	37.5%
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		1	12.5%
Unknown	0		
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	35	89.7%
1-3 teaspoonsful	4	10.3%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	38	97.4%
Inflicted by another person	1	2.6%

Type of Initial Treatment Given After Exposure:

None	1	2.6%
Gave water or milk	37	94.9%
Gave an emetic	1	2.6%
Unknown	0	
Other home treatment or first-aid	1	2.6%

Basis for Initial Treatment Given:

None (no specific reason)	1	2.6%
Information on product label	3	7.7%
Advice from poison control center	22	56.4%
Advice from physician	1	2.6%
Personal judgement	18	46.1%
Advice from non-professional	1	2.6%
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	22	56.4%
Nausea	0	
Abdominal pain	0	
Emesis	12	30.8%
Number of episodes:		
1	4	33.3%
2	1	8.3%
3 or more	7	58.3%
Diarrhea	7	17.9%
Mucosal effects:	1	2.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	1			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	14	82.4%
<1 hour	5	35.7%
1-4 hours	3	21.4%
4-12 hours	3	21.4%
12-24 hours	0	
24-96 hours	1	7.1%
>96 hours	2	14.3%
If seen in emergency room or physician's office:	3	17.6%
<1 hour	1	33.3%
1-4 hours	1	33.3%
4-12 hours	1	33.3%
12-24 hours	0	
24-96 hours	0	
>96 hours	0	

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category HOUSEHOLD CARE PRODUCTS,
06200000 for the Period February 1 - October 31, 1976

205

Calls by Source:

Emergency room	4	2.0%
Physician	3	1.5%
Paraprofessional	4	2.0%
Consumer	194	94.6%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	11	45	34	6	4	2		1	3		106	51.7
Female	11	37	33	8	2	1	1	1	5		99	48.3
Sex N/R												
Total By Age	22	82	67	14	6	3	1	2	8		205	
% of Total	10.7	40.0	32.7	6.8	2.9	1.5	0.5	1.0	3.9			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal	2	2	154	158	77.1
Abnormal	3	2	42	47	22.9
Unknown					
Total by Observer	5	4	196	Total = 205	
% of Total	2.4	1.9	95.6		

Management:

At home:	189		92.2%
Observation only		16	8.5%
Ipecac		3	1.6%
Demulcents		114	60.3%
Dilution		86	45.5%
Irrigation		10	5.3%
Other		1	0.5%
Already in emergency room:	4		2.0%
Referred to emergency room:	7		3.4%
Notified E.R.		4	57.1%
Patient arrived		7	100.0%
Patient did not arrive		0	
Home care prior to referral:			
Ipecac		1	14.3%
Demulcent		3	42.9%
Irrigation		0	
Other		1	14.3%
Already in physician's office:	3		1.5%
Sent to personal physician:	1		0.5%
Notified physician		0	
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		0	
Ipecac			
Demulcents			
Irrigation			
Other			
Other	1*		0.5%

* The patient was self-referred to health care facility after home management and is included in the tabulation on the following page.

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	4	25.0%
Symptomatic	11	68.8%
Unknown	1	6.3%
Does not apply	0	
Treatment:		
None	0	
Demulcents	8	50.0%
Lavage	3	18.8%
Emesis	2	12.5%
Activated charcoal	0	
Cathartics	0	
Antidotes	0	
Other	6	37.5%
Unknown	1	6.3%
Disposition:		
Sent home	14	87.5%
Admitted to hospital	0	
Referred to another hospital	0	
Agency referral	0	
Unknown	1	6.3%
Other	1	6.3%

Place Where Incident Occurred:

Home	193	94.1%
Outdoors	8	3.9%
School	0	
Workplace	0	
Unknown	0	
Other	4	2.0%

If in Home, Room:

Kitchen	95	49.2%
Dining room	0	
Living room	8	4.1%
Bathroom	67	34.7%
Bedroom	8	4.1%
Family room	0	
Laundry room	7	3.6%
Basement	3	1.6%
Garage	0	
Unknown	2	1.0%
Other	3	1.6%

Patient Seen in Emergency Room:

Yes	12	5.8%
No	193	94.1%

Type of Container:

Pour-out bottle/can	154	75.1%
Squeeze bottle (non-spray)	5	2.4%
Spray bottle/can (non-pressurized)	25	12.2%
Aerosol spray bottle/can (pressurized)	14	6.8%
Carton/box	6	2.9%
Paper wrapper	0	
Unknown	0	
Other	1	0.5%

Product in Original Container:

Yes	136	66.3%
No	69	33.7%

Condition of Product:

As purchased	150	73.2%
Diluted/dissolved in water	55	26.8%
Other	0	
Unknown	0	

Warning Label on Product:

Yes	81	39.5%
Type of warning:		
Ingestion	54	66.7%
Eye	68	84.0%
Skin	19	23.5%
Keep out of reach of children	59	72.8%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	5	6.2%
Do not use with bleach	0	
Did not notice	0	
Unknown	1	1.2%
Other	4	4.9%
Had patient/parent read warning prior to accident:		
Yes	40	49.4%
No	39	48.1%
Other	0	
Unknown	3	3.7%
No	53	25.9%
Did not notice	56	27.3%
Unknown	13	6.3%
Other	2	1.0%

Product Status at Time of Incident:

In use:	133	64.9%
On floor	26	19.5%
On sink/counter top	47	35.3%
On table	24	18.0%
On washer/dryer	3	2.3%
Tubside/shower	13	9.8%
Oven	0	
Dishwasher	0	
Toilet bowl	8	6.0%
Other	12	9.0%
In storage:	67	32.7%
On low shelves (<3' high)	3	4.5%
On high shelves (>3' high)	13	19.4%
Medicine chest	0	
Closet floor	0	
Under sink	44	65.6%
On window sill	0	
Tubside/shower	0	
Garbage	7	10.4%
Other	0	
Unknown	5	2.4%
Other	0	

If More Than One Product Involved, Were Products:

Separate	2	28.6%
Mixed	5	71.4%
Unknown	0	
Other	0	

Estimate of Amount of Material Ingested:

<1 teaspoonful	188	91.7%
1-3 teaspoonsful	12	5.9%
1-3 tablespoonsful	5	2.4%
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	200	97.6%
Inflicted by another person	5	2.4%

Type of Initial Treatment Given After Exposure

None	9	4.4%
Gave water or milk	188	91.7%
Gave an emetic	4	2.0%
Unknown	1	0.5%
Other home treatment or first-aid	14	6.8%

Basis for Initial Treatment Given:

None (no specific reason)	7	3.4%
Information on product label	11	5.4%
Advice from poison control center	115	56.1%
Advice from physician	4	2.0%
Personal judgement	89	43.4%
Advice from non-professional	0	
Unknown	2	1.0%
Other	3	1.5%

Effects of Incident Experienced by Patient:

None	138	67.3%
Nausea	7	3.4%
Abdominal pain	2	1.0%
Emesis	17	8.3%
Number of episodes:		
1		8 47.1%
2		2 11.8%
3 or more		7 41.2%
Diarrhea	27	13.2%
Mucosal effects:	30	14.6%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	18	5		4
Esophagus	3			
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	55		82.1%
<1 hour		18	32.7%
1-4 hours		6	10.9%
4-12 hours		17	30.9%
12-24 hours		4	7.3%
24-96 hours		9	16.4%
>96 hours		1	1.8%
If seen in emergency room or physician's office:	12		17.9%
<1 hour		5	41.7%
1-4 hours		2	16.7%
4-12 hours		0	
12-24 hours		0	
24-96 hours		5	41.7%
>96 hours		0	

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category LIQUID LAUNDRY DETERGENTS,
06400000, for the Period February 1 - October 31, 1976

25

Calls by Source:

Emergency room	0	
Physician	0	
Paraprofessional	0	
Consumer	25	100.0%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		6	2	1	2			1			12	48.0
Female	2	5	4	1				1			13	52.0
Sex N/R												
Total By Age	2	11	6	2	2			2			25	
% of Total	8.0	44.0	24.0	8.0	8.0			8.0				100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			20	20	80.0
Abnormal			5	5	20.0
Unknown					
Total by Observer			25	Total = 25	
% of Total			100.0		

Management:

At home:	25		100.0%
Observation only		1	4.0%
Ipecac		0	
Demulcents		20	80.0%
Dilution		7	28.0%
Irrigation		1	4.0%
Other		0	
Already in emergency room:	0		
Referred to emergency room:	0		
Notified E.R.			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:	0
Asymptomatic	
Symptomatic	
Unknown	
Does not apply	

Treatment:	0
None	
Demulcents	
Lavage	
Emesis	
Activated charcoal	
Cathartics	
Antidotes	
Other	
Unknown	

Disposition:	0
Sent home	
Admitted to hospital	
Referred to another hospital	
Agency referral	
Unknown	
Other	

Place Where Incident Occurred:

Home	25	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	11	44.0%
Dining room	0	
Living room	1	4.0%
Bathroom	1	4.0%
Bedroom	1	4.0%
Family room	0	
Laundry room	9	36.0%
Basement	2	8.0%
Garage	0	
Unknown	0	
Other	0	

Patient Seen in Emergency Room:

Yes	0	
No	25	100.0%

Type of Container:

Pour-out bottle/can	18	72.0%
Squeeze bottle (non-spray)	6	24.0%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	0	
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	1	4.0%

Product in Original Container:

Yes	18	72.0%
No	7	28.0%

Condition of Product:

As purchased	22	88.0%
Diluted/dissolved in water	2	8.0%
Other	1	4.0%
Unknown	0	

Warning Label on Product:

Yes	16	64.0%
Type of warning:		
Ingestion	5	31.3%
Eye	10	62.5%
Skin	0	
Keep out of reach of children	11	68.8%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	0	
Do not use with bleach	0	
Did not notice	0	
Unknown	0	
Other	1	6.3%
Had patient/parent read warning prior to accident:		
Yes	4	25.0%
No	12	75.0%
Other	0	
Unknown	0	
No	6	24.0%
Did not notice	3	12.0%
Unknown	0	
Other	0	

Product Status at Time of Incident:

In use:	12	48.0%
On floor	3	25.0%
On sink/counter top	5	41.7%
On table	2	16.7%
On washer/dryer	1	8.3%
Tubside/shower	1	8.3%
Oven	0	
Dishwasher	0	
Toilet bowl	0	
Other	0	
In storage:	10	40.0%
On low shelves (<3' high)	2	20.0%
On high shelves (>3' high)	3	30.0%
Medicine chest	0	
Closet floor	0	
Under sink	3	30.0%
On window sill	0	
Tubside/shower	0	
Garbage	2	20.0%
Other	0	
Unknown	3	12.0%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	23	92.0%
1-3 teaspoonsful	2	8.0%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	25	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	1	4.0%
Gave water or milk	24	96.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	1	4.0%
Information on product label	3	12.0%
Advice from poison control center	15	60.0%
Advice from physician	3	12.0%
Personal judgement	4	16.0%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	17	68.0%
Nausea	0	
Abdominal pain	1	4.0%
Emesis	5	20.0%
Number of episodes:		
1		40.0%
2		40.0%
3 or more		20.0%
Diarrhea	4	16.0%
Mucosal effects:	1	4.0%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth				1
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	8	100.0%
<1 hour		75.0%
1-4 hours		0
4-12 hours		1
12-24 hours		12.5%
24-96 hours		0
>96 hours		0
 If seen in emergency room or physician's office:	0	
<1 hour		
1-4 hours		
4-12 hours		
12-24 hours		
24-96 hours		
>96 hours		

Section F
 Comprehensive Study
 Summary of Ingestion Exposures
 by Individual Product Category

Total Number of Reports in the Category RUG & UPHOLSTERY SHAMPOOS,
 06800000, for the Period February 1 - October 31, 1976

9

Calls by Source:

Emergency room	1	11.1%
Physician	0	
Paraprofessional	0	
Consumer	8	88.9%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male		4									4	44.4
Female		2	1					2			5	55.6
Sex N/R												
Total By Age		6	1					2			9	
% of Total		66.7	11.1					22.2				100.0

Patient's Condition as Reported by Observers At Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal		1	5	6	66.7
Abnormal		1	2	3	33.3
Unknown					
Total by Observer		2	7	Total = 9	
% of Total		22.2	77.8		

Management:

At home:	7		77.8%
Observation only		1	14.3%
Ipecac		0	
Demulcents		5	71.4%
Dilution		1	14.3%
Irrigation		0	
Other		0	
Already in emergency room:	1		11.1%
Referred to emergency room:	1		11.1%
Notified E.R.		1	100.0%
Patient arrived		1	100.0%
Patient did not arrive		0	
Home care prior to referral:		0	
Ipecac			
Demulcent			
Irrigation			
Other			
Already in physician's office:	0		
Sent to personal physician:	0		
Notified physician			
Patient arrived			
Patient did not arrive			
Home care prior to referral:			
Ipecac			
Demulcents			
Irrigation			
Other			
Other	0		

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	1	50.0%
Symptomatic	1	50.0%
Unknown	0	
Does not apply	0	
Treatment:		
None	1	50.0%
Demulcents	0	
Lavage	0	
Emesis	1	50.0%
Activated charcoal	0	
Cathartics	0	
Antidotes	0	
Other	0	
Unknown	0	
Disposition:		
Sent home	2	100.0%
Admitted to hospital	0	
Referred to another hospital	0	
Agency referral	0	
Unknown	0	
Other	0	

Place Where Incident Occurred:

Home	9	100.0%
Outdoors	0	
School	0	
Workplace	0	
Unknown	0	
Other	0	

If in Home, Room:

Kitchen	4	44.4%
Dining room	0	
Living room	2	22.2%
Bathroom	1	11.1%
Bedroom	0	
Family room	0	
Laundry room	1	11.1%
Basement	0	
Garage	0	
Unknown	1	11.1%
Other	0	

Patient Seen in Emergency Room:

Yes	2	22.2%
No	7	77.8%

Type of Container:

Pour-out bottle/can	6	66.7%
Squeeze bottle (non-spray)	0	
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	3	33.3%
Carton/box	0	
Paper wrapper	0	
Unknown	0	
Other	0	

Product in Original Container:

Yes	3	33.3%
No	6	66.7%

Condition of Product:

As purchased	3	33.3%
Diluted/dissolved in water	5	55.6%
Other	0	
Unknown	1	11.1%

Warning Label on Product:

Yes	7		77.8%
Type of warning:			
Ingestion		0	
Eye		2	28.6%
Skin		0	
Keep out of reach of children		4	57.1%
Do not use with toilet bowl cleaners		0	
Do not breathe vapor		0	
Do not use with bleach		0	
Did not notice		0	
Unknown		1	14.3%
Other		0	
Had patient/parent read warning prior to accident:			
Yes		4	57.1%
No		3	42.9%
Other		0	
Unknown		0	
No	1		11.1%
Did not notice	0		
Unknown	1		11.1%
Other	0		

Product Status at Time of Incident:

In use:	7		77.8%
On floor		3	42.9%
On sink/counter top		2	28.6%
On table		0	
On washer/dryer		0	
Tubside/shower		0	
Oven		0	
Dishwasher		0	
Toilet bowl		0	
Other		2	28.6%
In storage:	1		11.1%
On low shelves (<3' high)		0	
On high shelves (>3' high)		1	100.0%
Medicine chest		0	
Closet floor		0	
Under sink		0	
On window sill		0	
Tubside/shower		0	
Garbage		0	
Other		0	
Unknown	1		11.1%
Other	0		

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	7	77.8%
1-3 teaspoonsful	2	22.2%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	9	100.0%
Inflicted by another person	0	

Type of Initial Treatment Given After Exposure:

None	0	
Gave water or milk	9	100.0%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	0	

Basis for Initial Treatment Given:

None (no specific reason)	0	
Information on product label	0	
Advice from poison control center	5	55.6%
Advice from physician	2	22.2%
Personal judgement	3	33.3%
Advice from non-professional	0	
Unknown	0	
Other	0	

Effects of Incident Experienced by Patient:

None	3	33.3%
Nausea	0	
Abdominal pain	0	
Emesis	2	22.2%
Number of episodes:		
1	0	
2	0	
3 or more	2	100.0%
Diarrhea	3	33.3%
Mucosal effects:	1	11.1%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	1			
Esophagus				
Stomach				
Other (Specify)				

Time Required for Symptoms to Subside:

If managed at home:	4	66.7%
<1 hour	2	50.0%
1-4 hours	1	25.0%
4-12 hours	0	
12-24 hours	0	
24-96 hours	1	25.0%
>96 hours	0	
 If seen in emergency room or physician's office:	2	33.3%
<1 hour	1	50.0%
1-4 hours	0	
4-12 hours	0	
12-24 hours	1	50.0%
24-96 hours	0	
>96 hours	0	

Section F

Comprehensive Study

Summary of Ingestion Exposures
by Individual Product Category

Total Number of Reports in the Category STRONG ACIDS, BASES AND PRODUCTS
FORMULATED FROM THEM, 00100000 for the Period February 1 - October 31, 1976 55

Calls by Source:

Emergency room	2	3.6%
Physician	0	
Paraprofessional	0	
Consumer	53	96.4%
Hospital	0	
Not recorded	0	

Breakdown of Calls by Age and Sex of Patient:

Age	Under 1	1-2	2-3	3-4	4-5	5-6	6-7	7-17	18+	Age N/R	Total By Sex	% of Total
Male	2	10	3	2		1	1	1	3		23	41.8
Female		12	8	4			1	2	5		32	58.2
Sex N/R												
Total By Age	2	22	11	6		1	2	3	8		55	
% of Total	3.6	40.0	20.0	11.0		1.8	3.6	5.5	14.5			100.0

Patient's Condition as Reported by Observers at Time of Call:

Condition	Medical Doctor	Paraprofessional	Consumer	Total by Condition	% of Total
Normal			39	39	70.9
Abnormal	1		15	16	29.1
Unknown					
Total by Observer	1		54	Total = 55	
% of Total	1.8		98.2		

Management:

At home:	44		80.0%
Observation only		7	15.9%
Ipecac		0	
Demulcents		23	52.3%
Dilution		21	47.7%
Irrigation		7	15.9%
Other		0	
Already in emergency room:	2		3.6%
Referred to emergency room:	5		9.1%
Notified E.R.		5	100.0%
Patient arrived		5	100.0%
Patient did not arrive		0	
Home care prior to referral:			
Ipecac		0	
Demulcent		1	20.0%
Irrigation		1	20.0%
Other		1	20.0%
Already in physician's office:	0		
Sent to personal physician:	2		3.6%
Notified physician		1	50.0%
Patient arrived		2	100.0%
Patient did not arrive		0	
Home care prior to referral:			
Ipecac		1	50.0%
Demulcents		0	
Irrigation		0	
Other		0	
Other	2		3.6%

Emergency Room and Physician Management:

Patient status:		
Asymptomatic	4	36.4%
Symptomatic	5	45.5%
Unknown	2	18.2%
Does not apply	0	
Treatment:		
None	1	9.1%
Demulcents	5	45.5%
Lavage	0	
Emesis	0	
Activated charcoal	0	
Cathartics	0	
Antidotes	0	
Other	5	45.5%
Unknown	2	18.2%
Disposition:		
Sent home	7	63.6%
Admitted to hospital	2	18.2%
Referred to another hospital	0	
Agency referral	0	
Unknown	2	18.2%
Other	0	

Place Where Incident Occurred:

Home	51	92.7%
Outdoors	3	5.5%
School	0	
Workplace	0	
Unknown	0	
Other	1	1.8%

If in Home, Room:

Kitchen	26	51.0%
Dining room	0	
Living room	1	2.0%
Bathroom	21	41.2%
Bedroom	0	
Family room	0	
Laundry room	0	
Basement	1	2.0%
Garage	0	
Unknown	2	3.9%
Other	0	

Patient Seen in Emergency Room:

Yes	9	16.4%
No	46	83.6%

Type of Container:

Pour-out bottle/can	26	47.3%
Squeeze bottle (non-spray)	8	14.5%
Spray bottle/can (non-pressurized)	0	
Aerosol spray bottle/can (pressurized)	12	21.8%
Carton/box	7	12.7%
Paper wrapper	0	
Unknown	1	1.8%
Other	1	1.8%

Product in Original Container:

Yes	20	36.4%
No	35	63.6%

Condition of Product:

As purchased	32	58.2%
Diluted/dissolved in water	21	38.2%
Other	1	1.8%
Unknown	1	1.8%

Warning Label on Product:

Yes	45	81.8%
Type of warning:		
Ingestion	41	91.1%
Eye	41	91.1%
Skin	33	73.3%
Keep out of reach of children	36	80.0%
Do not use with toilet bowl cleaners	0	
Do not breathe vapor	4	8.9%
Do not use with bleach	6	13.3%
Did not notice	0	
Unknown	2	4.4%
Other	0	
Had patient/parent read warning prior to accident:		
Yes	25	55.6%
No	20	44.4%
Other	0	
Unknown	0	
No	1	1.8%
Did not notice	3	5.5%
Unknown	6	10.9%
Other	0	

Product Status at Time of Incident:

In use:	47	85.5%
On floor	4	8.5%
On sink/counter top	17	36.2%
On table	2	4.3%
On washer/dryer	0	
Tubside/shower	1	2.1%
Oven	5	10.6%
Dishwasher	0	
Toilet bowl	9	19.1%
Other	9	19.1%
In storage:	7	12.7%
On low shelves (<3' high)	0	
On high shelves (>3' high)	1	14.3%
Medicine chest	1	14.3%
Closet floor	0	
Under sink	3	42.9%
On window sill	0	
Tubside/shower	0	
Garbage	2	28.6%
Other	0	
Unknown	1	1.8%
Other	0	

If More Than One Product Involved, Were Products:

Separate	0
Mixed	0
Unknown	0
Other	0

Estimate of Amount of Material Ingested:

<1 teaspoonful	47	85.5%
1-3 teaspoonsful	8	14.5%
1-3 tablespoonsful	0	
1/5-1/2 cupful	0	
>1 cupful	0	
Unknown	0	

Type of Incident:

Accidental - self inflicted	54	98.2%
Inflicted by another person	1	1.8%

Type of Initial Treatment Given After Exposure:

None	1	1.8%
Gave water or milk	50	90.9%
Gave an emetic	0	
Unknown	0	
Other home treatment or first-aid	8	14.5%

Basis for Initial Treatment Given:

None(no specific reason)	0	
Information on product label	14	25.5%
Advice from poison control center	25	45.5%
Advice from physician	1	1.8%
Personal judgement	21	38.2%
Advice from non-professional	0	
Unknown	0	
Other	0	

Strong Acids, Bases and Products
Formulated From Them - Cont.

Effects of Incident Experienced by Patient:

None	39	70.9%
Nausea	0	
Abdominal pain	0	
Emesis	1	1.8%
Number of episodes:		
1		100.0%
2		0
3 or more		0
Diarrhea	0	
Mucosal effects:	15	27.3%

	Irritation	Ulceration	Sloughing	Other (Specify)
Mouth	4	8		2
Esophagus	1			
Stomach				
Other (Specify)				1

Time Required for Symptoms to Subside:

If managed at home:	9	56.3%
<1 hour		11.1%
1-4 hours		11.1%
4-12 hours		33.3%
12-24 hours		11.1%
24-96 hours		22.2%
>96 hours		11.1%
 If seen in emergency room or physician's office:	7	43.8%
<1 hour		0
1-4 hours		0
4-12 hours		14.3%
12-24 hours		0
24-96 hours		14.3%
>96 hours		71.4%

TABLE F-1

Frequency of Calls by Agent and Time Block
at Which Symptoms Subsided

Symptoms Subsided at (Hours)

Code	Initial Call	1	4	12	24	96	>96	Total Frequency	%	Substance
00100000								55	100.0	Strong Acids, Bases and Products Formulated From Them
00100200	2,1*				1			4	7.4	Hydrochloric Acid
00100300	4					1		5	9.3	Phosphoric Acid
00100400	2							2	1.9	Other Mineral Acids
	4							4	7.4	Sani-Flush
	4							4	7.4	Vanish
	7			1				8	14.8	Dip It
00100500										Other Organic Acids
00100600										Oxalic Acid
00100700										Sulphuric Acid
	1							1	1.9	Schwerters Silver Crea
	1							1	1.9	Krome Kleen
00100800										Sodium Hydroxide
	2		1			1*	1,2*	7	13.0	Drano
	7					1		8	14.8	Mr. Muscle
	1			1,1*				3	6.6	Easy Off Oven Cleaner
		1					3*	3	6.6	Lewis Lye
								1	1.9	Dow Oven Cleaner
	1			1				1	1.9	Vulcan Anhydrams
	1*							1	1.9	Lye
00100900								1	1.9	Plunge
	1							1		Sodium Carbonate
										Vanish

* Cases seen in emergency rooms or physician's offices.

APPENDIX A

Intermountain Regional Poison Control Center
Report Form

**INTERMOUNTAIN REGIONAL POISON CONTROL CENTER
POISONING REPORT**

Report No _____ 2-7 Time 8-11 Date 12-17
MILITARY MO DAY YEAR

**PART A
PERSON FILLING OUT REPORT**

Name _____ Personnel Code 18-20

INFORMATION REQUEST

(code) 22-24 Hospital 22-24 21
1 Emergency Room 2 Physician 3 Para Professional 4 Consumer 5 (Non-E.R. concerning in-patient)

Person Requesting Information _____ Telephone _____

Address: _____ (No./So.) _____ (Ea./We.) _____

City: _____ State: 25
1 UT 2 CO 3 ID 4 NV 5 MT 6 WY 7 Other

TYPE OF CALL

Poisoning 1 Information 2 26
If Information: Drug 1 Administrative 2 Medical 3 Toxicology 4 Veterinary 5 27

MODE OF EXPOSURE

Ingestion 1 Inhalation 2 Percutaneous 3 Ocular 4 Envenomation 5 Other 6 28

TYPE OF EXPOSURE

Accidental 1 Suicidal 2 Environmental 3 Drug Abuse 4 Other 5 29

VICTIM

Name _____ Age _____ 30-31 mo 1 yr 2 32 Weight _____ Sex 1 2 3 33
Male Female Unknown
Address: Same as above Other: _____
Street City State Telephone

SUBSTANCE

Name _____

Manufacturer _____

Classification Codes _____ 34-41 2 _____ 42-49

Ingredients

Amount Involved _____ Time since ingestion or Exposure _____

ASSESSMENT OF TOXICITY

- 1 Non-toxic Agent
- 2 Toxic Agent
- 3 Toxicity of Agent Unknown
- 4 Unknown Agent

- 1 Amount insignificant, no symptoms expected
- 2 Amount expected to produce mild to moderate effects
- 3 Amount expected to produce serious effects
- 4 Amount unknown, expected mild to moderate effects
- 5 Amount unknown, anticipate serious effects

50

51

SAFETY PACKAGING

Substance in safety closure: 1 Yes 2 No 3 Unknown 4 Does not apply 52

If yes, was safety closure secured? 1 Yes 2 No 3 Unknown 53

PRESENT CONDITION

1 Normal 2 Abnormal 3 Unknown 54

Observed by: 1 M.D. 2 Para professional 3 Consumer 55

CONSTITUTIONAL

- 1 Abnormal temperature
- 2 Abnormal sweating
- 3 Abnormal fluid balance
- 4 Dehydration
- 5 Acidosis
- 6 Alkalosis
- 7 Other
- 8 Other

EARS

- 33 Tinnitus
- 34 Other

NOSE

- 35 Inflamed nasal mucosa
- 36 Other

THROAT

- 37 Dry mouth
- 38 Excessive salivation
- 39 Inflamed oral mucosa
- 40 Burns in the mouth
- 41 Pain in mouth or throat
- 42 Difficulty swallowing
- 43 Metallic taste in mouth
- 44 Other

GASTROINTESTINAL

- 45 Anorexia
- 46 Nausea vomiting
- 47 Abnormal vomitus
- 48 Pills noted
- 49 Bloody
- 50 Other
- 51 Abdominal pain
- 52 Diarrhea
- 53 Abnormal stools
- 54 Bloody
- 55 Other

CARDIOVASCULAR

- 56 Other
- 57 Abnormal heart rate (describe)
- 58 Abnormal heart rhythm (describe)
- 59 Abnormal blood pressure (describe)
- 60 Other

RESPIRATORY

- 61 Difficulty breathing
- 62 Shortness of breath
- 63 Decreased respiratory rate/apnea
- 64 Hyperpnea (deep respiration)
- 65 Other
- 66 Cough
- 67 Abnormal breath sounds
- 68 Rales
- 69 Wheezing
- 70 Other
- 71 Pulmonary infiltrate on x-ray
- 72 Other

NEUROLOGICAL

- 73 CNS depression
- 74 Stupor or lethargy
- 75 Coma 1, 2, 3, 4
- 76 CNS stimulation
- 77 Restlessness or irritability
- 78 Seizures
- 79 Abnormal reflexes
- 80 Decreased or absent DTR's
- 81 Increased DTR's clonus
- 82 Other
- 83 Headache
- 84 Abnormal sensory findings (describe)
- 85 Abnormal speech (describe)
- 86 Impaired motor coordination (describe)
- 87 Dizziness
- 88 Other

PSYCHIATRIC

- 89 Abnormal mood or behavior (describe)
- 90 Hallucinations (describe)
- 91 Other

HEMATOLOGICAL

- 92 Anemia
- 93 Signs of abnormal bleeding
- 94 Other

GENITOURINARY

- 95 Dysuria (pain on urination)
- 96 Urinary retention
- 97 Oliguria/anuria
- 98 Increased amount of urine
- 99 Other

MUSCULOSKELETAL

- 100 Weakness or fatigability
- 101 Muscle tremors or fasciculation
- 102 Muscle spasms
- 103 Pains
- 104 Other

SKIN

- 9 Skin discoloration
- 10 Pallor
- 11 Erythema
- 12 Cyanosis
- 13 Jaundice
- 14 Other
- 5 Skin burns
- 6 Skin rash (describe)
- 17 Abnormal skin texture
- 18 Hot dry
- 19 Cold clammy
- 20 Other
- 21 Abnormal hair or fingernails (describe)
- 22 Other

EYES

- 23 Abnormal vision
- 24 Abnormal eye findings
- 25 Pinpoint pupils
- 26 Dilated pupils
- 27 Other
- 28 Stinging or burning eyes
- 29 Corneal burn or damage
- 30 Conjunctival or scleral injection
- 31 Papilledema
- 32 Other

INFORMATION SOURCE CONSULTED

Files: PCC Index card available for specific agents:

1 Yes 2 No 3 Does not apply 56

Textbooks: 1 Yes 2 No 62

If yes:

- PCC index card used 57
- PCC select file 58
- PCC master file 59

Poisindex — Product Available:

1 Yes 2 No 3 Does not apply 60

NCPCC Terminal — Product Available

1 Yes 2 No 3 Does not apply 4 Not operative 61

- Driesbach
- Gleason
- Goodman & Gilman
- Arena
- PDR
- OTC Handbook
- Avon Products Books
- Kingsbury

- Lampe & Fagerstrom
- Arena & Hardin (plant)
- Browning-Solvents
- Browning-Metals
- Sax-Chemicals
- Pesticide Handbook
- Grant
- Other

63-70

71-78

CONSULTANT

Other Source (s) Used: _____

Housestaff _____

BRIEF SUMMARY OF THE PROBLEM

MANAGEMENT

- 1 Management at home
- Observation Only 16
- Ipecac (complete Part C)
- Demulcents
- Dilution
- Irrigation
- Other
- 20-24
- Referred to E.R. (code) 13-15
- Sent to personal physician
- Notified E.R. — Physician
- Victim arrived (complete Part B)
- Patient did not arrive
- Home care prior to referral
- 25-28
 - Ipecac
 - Demulcent
 - Irrigation
- 29-32
 - Other

- Already in E.R. 4 (Complete Part B) (code) 13-15
- Already in M.D.'s office 5 (Complete part B)
- Other (explain) _____ 6

12

Lab Work Obtained

- Patient Status**
 - 1 Asymptomatic
 - 2 Symptomatic
 - 3 Unknown
 - 4 Does not apply
- Treatment**
 - 1 None
 - 2 Demulcents
 - 3 Lavage
 - 4 Emesis
 - 5 Activated charcoal
 - 6 Cathartics
 - 7 Antidotes _____ (name)
 - 8 Other (explain) _____
- Lab Work**
 - 1 No
 - 2 Yes
 - 3 Unknown
 - 4 Does not apply
 - X-ray
 - Normal
 - Abnormal
 - Unknown
 - Blood Levels
 - Normal
 - Abnormal
 - Unknown
 - Other _____
- Supportive Measures Instituted**
 - 1 Yes
 - 2 No
 - 3 Unknown
 - 4 Does not apply
- Response to Therapy**
 - 1 Satisfactory
 - 2 Unsatisfactory
 - 3 Unknown
 - 4 Does not apply

PART B
EMERGENCY ROOM MANAGEMENT

- Disposition**
 - 1 Sent home
 - 2 Admitted to hospital 48-50 (code)
 - Pt. No. _____
 - 3 Referred to another hospital 48-50 (code)
 - 4 Agency referral _____ (name)
 - 5 Unknown
 - 6 Other (explain) _____
- Psychiatric Consultation**
 - 1 Yes
 - 2 No
 - 3 Unknown
 - 4 Does not apply

46

51

**PART C
AT HOME IPECAC STUDY PROTOCOL**

Induction of Emesis

- Contraindications to emesis absent
- Dose explained
 - 15 ml
 - 30 ml
- Fluid intake (8 oz.) explained

- Ipecac in the home **1**
- Caller sent to pharmacy **57**
- Ipecac obtained from pharmacy **58**

52-56

Name: _____
Address: _____
Phone: _____

FOLLOW UP

59 At 30 minute call:

Yes No Unknown

60 **1** **2** **3**

Did caller follow instructions?

61

Did emesis occur?

62 0-15 minutes

63 15-30 minutes

64 **1** **2** **3**

Additional ipecac advised

65 60 minute call made

66 Caller followed instructions

67 Emesis occurred

68 30-45 minutes

69 45-60 minutes

70 Emesis failure

71 Referred care

(Complete management section above)

72 Observed at home

73 4 hour call made

PCC Code 74-76

Date _____ Time _____

77 24 hour call made

PCC Code 78-80

Date _____ Time _____

At 4 hour follow-up:

Yes No Unknown

9 **1** **2** **3**

Did the victim exhibit any symptoms from ingestion?

10

Did the victim exhibit any complications from the Ipecac-induced emesis?

11 Aspiration

13 Other

12 Prolonged vomiting 14 Unknown

Yes No Unknown

15 **1** **2** **3**

Was additional medical care sought by caller without advice of PCC?

16 PCC call 19 Hospitalized

17 Physician 20 Other

18 E.R. 21 Unknown

At 24 hour follow-up:

Yes No Unk Dna

22 **1** **2** **3** **4**

Did the victim still present symptoms reported during the 4-hr. follow-up?

23 **1** **2** **3**

Did the victim present symptoms at 24 hrs. not previously reported?

1

Did the victim present other symptoms at the 4-hr. follow-up?

24 2

The victim did not present other symptoms at the 4-hr. follow-up?

25 **1** **2** **3**

Were additional complications reported at 24 hrs. not previously reported?

26 **1** **2** **3**

Did the victim seek additional medical care, not previously reported? 23-28

Supervisor Evaluation

27-29

Supervisor's Number

Number of Omissions

30-31

Number of Mistakes

32-33

Number of Incorrect Assessments

34-35

36 History: Accurate **1** Inaccurate **2** Incomplete **3**
If inaccurate, explain:

37 Use of standard information resources: Satisfactory **1** Unsatisfactory **2** Does not apply **3**
If unsatisfactory, explain:

38 Consultation appropriately obtained: Yes **1** No **2** Does not apply **3**
If no, explain:

39 Appropriate management: Yes **1** No **2** Does not apply **3**
If no, explain:

40 Phone management: Acceptable **1** Unacceptable **2** Does not apply **3** Unable to assess **4**
If unacceptable, explain:

41 Interaction with medical staff: Acceptable **1** Unacceptable **2** Does not apply **3** Unable to assess **4**
If unacceptable, explain:

APPENDIX B

Instructions for PCC Report Form

INSTRUCTIONS FOR PCC REPORT FORM

Date
MO DAY YEAR

The month, day and year should be placed in the appropriate boxes. Zeros preceding the numbers can be deleted for both the month and day when applicable. Example, June 1, 1974:

Date
MO DAY YEAR
12-17

Time
MILITARY

Time should be entered in military time. Military time starts at 0001, which is one minute after midnight and goes to 2400 which is exactly 12 midnight.

PART A
PERSON FILLING OUT REPORT

Name _____ Personnel Code

The name of the staff member handling the call as well as his personnel code should be entered. Personnel codes will be posted in the Center.

INFORMATION REQUEST

(code) Hospital 22-24
Emergency Room Physician Para Professional Consumer (Non-E.R. concerning in-patient)

It is anticipated that calls received in the Poison Center will originate from one of the above sources. This category refers to the origin of the call and not necessarily the caller. If a doctor, nurse or anyone calls from an emergency room, it is listed as an emergency room request. If an M.D. calls from his home, from his car telephone, from a phone booth, from his office, etc., it is listed as a physician call. Para-professionals, for the report form only, are very narrowly defined. Anyone who is a non-M.D. who will be directly responsible for the care of the individual, or who will be directly relating that information to a physician will be considered as a para-professional. This includes medexes, paramedics, nurses, ambulance drivers, and veterinarians. DO NOT include pharmacists, occupational therapists, psychologists, dentists, crisis workers, et al. These individuals should all be classified as consumers, as would everyone else that does not fit the criteria of physician or para-professional. Hospital, non-E.R. concerning inpatient: should be checked when a call originates from a recognized hospital concerning one of their inpatients. Physician's clinics do not rate hospital status.

Person Requesting Information _____ Telephone _____

Address: _____ (No./So.) _____ (Ea./We.) _____

City: _____ State: UT CO ID NV MT WY Other: _____

The name of the caller, their telephone number and their address should be entered (not necessarily the address of the victim). The city or origin of the call should be written in the space provided, SLC is the only acceptable abbreviation. The appropriate state corresponding to the city must also be checked. If the individual will not give part or all of this information, the word "unknown" should be written in the appropriate spaces.

TYPE OF CALL

Poisoning Information

26

If Information: Drug Administrative Medical Toxicology Veterinary

This section represents the first major assessment to be made on the report form. The Poison Center staff must identify whether this is a poisoning call or an information call. This distinction will sometimes not be glaringly apparent. Generally, the category for informational calls is appropriately checked when there is a question without the involvement of a victim or the involvement of a victim without exposure to a toxic substance. An example of an information call without a victim would be a call regarding the edibility of food prior to its ingestion. Calls seeking information following food ingestions in which the ingestee is asymptomatic are also considered information calls. For example, the caller states that her son ate some tuna fish that smelled bad but he shows no symptoms, would be considered an information call. However, if stomach pains or other symptoms were present, the same call would be classified as a poisoning. Once the information category is checked, then an assessment of the type of information call must also be made using the following definitions:

Drug: Drug information refers to any information given about the indication, contraindication, side effects, or adverse effect, etc. of a drug.

Administrative: Administrative information includes all calls requiring technical information originating from a lawyer, newsman, police officer, etc. Also included are calls concerning lectures, tours, the operation of the poison control center, etc.

Medical: Medical information refers to medical problems not related to a toxic phenomenon, such as the ingestion of money, allergic reactions, dog bites, human bites, trauma, etc. The Poison Control Center staff may provide first aid information, but the problem is really not related to toxicity.

Toxicology: Toxicology information refers to information related to toxic substances and usually concerning the prevention of poisoning. An example would be someone calling to find out how long they must wait before they can re-enter a room after it has been fumigated.

Another example would be someone calling for information on the toxicity of various plants in their yard or any information not directly involving a victim, but involving a toxin.

Veterinary: Veterinary information refers to any poisoning or information request concerning an animal. Whether the call originates from a consumer or veterinarian is of no concern for this classification. In any event, once information is checked and one of the categories below it, then the report is essentially complete, with the exception of identifying the references used and a brief summary of the problem.

Poisoning refers to any call received where there is a victim and an exposure to an agent or substance of known or unknown toxicity. Calls originating from physicians wherein they request "information" about the toxicology of an agent or information on management, etc. IS A POISONING and should be categorized accordingly. Venomous insect stings such as bees and wasps are poisoning problems.

MODE OF EXPOSURE

- Ingestion Inhalation Percutaneous Ocular Envenomation Other:

This category is fairly self-explanatory. There should only be one response per report form.

TYPE OF EXPOSURE

- Accidental Suicidal Environmental Drug Abuse Other:

In most cases the type of poisoning is quite distinct. However, there are some calls where the type of intoxication is not clear. The following definitions should clarify some of these problems:

Accidental: Accidental poisonings include any purposeful action that results in a poisoning or potential poisoning where the individual involved was unaware of the potential toxicity. Obviously children, under the age of six, who ingest almost anything would be considered accidental poisonings as would an adult who unknowingly ingests a toxic agent.

Suicidal: Suicidal poisonings refer to any purposeful action directed at self-destruction where the individual is not attempting to gain a high or other euphoric effect.

Environmental: Environmental poisoning refers to an exposure where the individual, under normal circumstances, becomes intoxicated or potentially intoxicated due to an unknown toxin in the environment. Many chronic heavy metal poisonings are environmental, as are pesticide poisonings where the individual was unknowingly exposed.

Drug Abuse: Drug abuse refers to any purposeful action that results in the misuse of an agent for other than self-destructive reasons.

Other: Any other type of intoxication that does not fit into one of the above categories.

VICTIM

Name _____ Age _____ mo. yr. Weight _____ Sex Male Female Unknown
30-31 32 33

Address: Same as above Other: _____ Street _____ City _____ State _____

The above is self-explanatory--age and sex must definitely be entered even for ocular intoxication.

SUBSTANCE

Name _____
Manufacturer _____
Classification Codes _____ 2 _____ Ingredients: _____
34-41 42-49

Amount involved _____ Time since ingestion or exposure _____

Name: The toxic substance should be entered one letter in each box with spaces left between words. If the toxic substance is unknown, that word should be printed in the space provided. If the ingestion involves multiple agents, the words "multiple agents" should be entered.

Manufacturer: The manufacturer should be entered one letter per box, when the manufacturer is unknown, that should be entered and when the appropriate response is "does not apply" that should also be entered.

Classification Code: The most appropriate classification code(s) should be entered one number per box. This is not currently being done by the student.

Amount Involved: The amount involved should be entered as the most accurate amount obtainable by history. In all instances when the amount is not clear it should be the maximum that could have reasonably been ingested.

Time Since Ingestion or Exposure: This should be self-explanatory.

ASSESSMENT OF TOXICITY

- | | | |
|---|---|---|
| <input type="radio"/> Non-toxic Agent | { | <input type="radio"/> Amount insignificant, no symptoms expected |
| <input type="radio"/> Toxic Agent | | <input type="radio"/> Amount expected to produce mild to moderate effects |
| <input type="radio"/> Toxicity of Agent Unknown | | <input type="radio"/> Amount expected to produce serious effects |
| <input type="radio"/> Unknown Agent | | <input type="radio"/> Amount unknown, expected mild to moderate effects |
| | | <input type="radio"/> Amount unknown, anticipate serious effects |

At this point two assessments must be made. First, an assessment of the agent itself must be made, irrespective of the history. If the agent, in

normally available quantities can be expected to produce either local or systemic toxicity, then without question it is a toxic agent. Non-toxic agents are those substances that in normally available amounts will produce little more than mechanical problems. Some examples of non-toxic agents include: water, lawn seed, food, edible plants, glycerin, etc. Some examples of toxic agents include: table salt, most medications, and most chemicals.

If the agent is assessed to be either toxic or the toxicity of the agent is unknown, then an assessment of the overall ingestion must be made and should fit one of the categories listed.

SAFETY PACKAGING

- Substance in safety closure: 52 Yes No Unknown Does not apply
- If yes, was safety closure secured? 53 Yes No Unknown

This category is self-explanatory. It applies to all agents that are required by law to be in safety closures. The response "does not apply" refers to bites, food poisoning, environmental exposures, OTC medications, laundry soaps, gasoline, etc. If the agent was in a safety closed container, then a further determination as to whether it was properly secured must be made.

PRESENT CONDITION

- Normal Abnormal Unknown
- Observed by: M.D. Para professional Consumer

55

54

CONSTITUTIONAL

- Abnormal temperature
- Abnormal sweating
- Abnormal fluid balance
- 4 Dehydration
- 5 Acidosis
- 6 Alkalosis
- 7 Other
- Other

- Skin discoloration
- 10 Pallor
- 11 Erythema
- 12 Cyanosis
- 13 Jaundice
- 14 Other

- Skin burns
- Skin rash (describe)
- Abnormal skin texture
- 18 Hot dry
- 19 Cold clammy
- 20 Other
- Abnormal hair or fingernails (describe)
- Other

- Abnormal vision
- Abnormal eye findings
- 25 Pinpoint pupils
- 26 Dilated pupils
- 27 Other
- Stinging or burning eyes
- Corneal burn or damage
- Conjunctival or scleral injection
- Papilledema
- Other

EARS

- 33 Tinnitus
- 34 Other

NOSE

- 35 Inflamed nasal mucosa
- 36 Other

THROAT

- 37 Dry mouth
- 38 Excessive salivation
- 39 Inflamed oral mucosa
- 40 Burns in the mouth
- 41 Pain in mouth or throat
- 42 Difficulty swallowing
- 43 Metallic taste in mouth
- 44 Other

GASTROINTESTINAL

- 45 Anorexia
- 46 Nausea vomiting
- 47 Abnormal vomitus
- 48 Pills noted
- 49 Bloody
- 50 Other
- 51 Abdominal pain
- 52 Diarrhea
- 53 Abnormal stools
- 54 Bloody
- 55 Other
- 56 Other

CARDIOVASCULAR

- 57 Abnormal heart rate (describe)
- 58 Abnormal heart rhythm (describe)
- 59 Abnormal blood pressure (describe)
- 60 Other

RESPIRATORY

- 61 Difficulty breathing
- 62 Shortness of breath
- 63 Decreased respiratory rate/apnea
- 64 Hyperpnea (deep respiration)
- 65 Other
- 66 Cough
- 67 Abnormal breath sounds
- 68 Rales
- 69 Wheezing
- 70 Other
- 71 Pulmonary infiltrate on x-ray
- 72 Other

NEUROLOGICAL

- 73 CNS depression
- 74 Stupor or lethargy
- 75 Coma 1, 2, 3, 4
- 76 CNS stimulation
- 77 Restlessness or irritability
- 78 Seizures
- 79 Abnormal reflexes
- 80 Decreased or absent DTR's
- 81 Increased DTR's clonus
- 82 Other
- 83 Headache
- 84 Abnormal sensory findings (describe)
- 85 Abnormal speech (describe)
- 86 Impaired motor coordination (describe)
- 87 Dizziness
- 88 Other

PSYCHIATRIC

- 89 Abnormal mood or behavior (describe)
- 90 Hallucinations (describe)
- 91 Other

HEMATOLOGICAL

- 92 Anemia
- 93 Signs of abnormal bleeding
- 94 Other

GENITOURINARY

- 95 Dysuria (pain on urination)
- 96 Urinary retention
- 97 Oliguria/anuria
- 98 Increased amount of urine
- 99 Other

MUSCULOSKELETAL

- 100 Weakness or fatigability
- 101 Muscle tremors or fasciculation
- 102 Muscle spasms
- 103 Pains
- 104 Other

This is self-explanatory. If the individual is normal or the present condition is unknown, then an appropriate response as to who made the observation must be made. In the "observed by" category, emergency rooms and hospitals are collapsed and the same definitions as previously stated hold. Example: If the call originated from a nurse in an E.R. then the person observing the symptoms would be para-professional. If an abnormal condition is present, a further determination regarding symptoms must be made and appropriate responses checked.

INFORMATION SOURCE CONSULTED

Files: PCC Index card available for specific agents:

Textbooks: Yes No

If yes: 62

Yes No Does not apply

56

- PCC index card used
- PCC select file
- PCC master file

57-59

Poisindex — Product Available:

Yes No Does not apply

NCPCC Terminal — Product Available

Yes No Does not apply Not operative

- 63 Driesbach
- 64 Gleason
- 65 Goodman & Gilman
- 66 Arena
- 67 PDR
- 68 OTC Handbook
- 69 Avon Products Books
- 70 Kingsbury

- 71 Lampe & Fagerstrom
- 72 Arena & Hardin (plant)
- 73 Browning-Solvents
- 74 Browning-Metals
- 75 Sax-Chemicals
- 76 Pesticide Handbook
- 77 Grant
- 78 Other

The above is self-explanatory, however a response must be made in categories "PCC Index Card Available" and "Text Books".

CONSULTANT

Housestaff _____ (name)
 PCC Consultant _____ No 9-11 None

The above is self-explanatory. A response must be made in this category.

BRIEF SUMMARY OF THE PROBLEM

A brief summary of the problem should contain a very brief, one sentence recap of the history including amount most likely ingested and any symptoms presented by the patient. The assessment of the toxicity of the agent and the assessment of the overall toxicity of the ingestion should be included as well as the symptoms that would be expected, i.e., either mild, moderate or severe and finally a brief summary of the management instructions. (See handout for a more detailed explanation and examples.)

Information calls should include a brief summary of the information that was relayed to the individual.

MANAGEMENT

- Management at home
 - Referred to E.R. (code) 13-15
 - Sent to personal physician
 - Observation Only
 - Ipecac (complete Part C)
 - Demulcents
 - Dilution
 - Irrigation
 - Other
- 16-20
- Already in E.R. (Complete Part B) (code) 13-15
 - Already in M.D.'s office (Complete part B)
 - Other (explain) _____
- Notified E.R. — Physician
 - Victim arrived (complete Part B)
 - Patient did not arrive
 - Home care prior to referral
- 12
- Ipecac
 - Demulcent
 - Irrigation
 - Other
- 25-32

The management must be synopsised and identified in this section, only one response in the boxed area should be marked. If the patient is managed at home then the appropriate responses below "management at home" should also be checked (more than one response may be checked). If the management includes the induction of emesis at home with PCC supervision, then Part C should also be completed (explanation to follow under that section).

If the management requires referred care then an appropriate referral would be either to an emergency (code the E.R.) or a physician. In this instance, the appropriate responses should be checked below that category. In any event the Poison Center staff should always notify either the E.R. or physician of the problem. The staff should then follow-up to determine if the victim has followed instructions and arrived at the place of referral. Once the patient has arrived, then Part B should be completed. If home care is given prior to a referral then an appropriate response below that section should also be checked.

If the victim is already in an emergency room (code the appropriate E.R.) then Part B should also be completed. If some other management than the above is prescribed, the "other" response should be checked and an explanation given.

Lab Work Obtained

- Patient Status 35 No Yes Unknown Does not apply
- Asymptomatic
 - Symptomatic
 - Unknown
 - Does not apply
- 33
- None
 - Demulcents
 - Lavage
 - Emesis
 - Activated charcoal
 - Cathartics
 - Antidotes _____ (name)
 - Other (explain) _____

- X-ray
 - Normal
 - Abnormal
 - Unknown
 - Blood Levels
 - Normal
 - Abnormal
 - Unknown
 - Other _____
- 36-44

Supportive Measures Instituted

- Yes
 - No
 - Unknown
 - Does not apply
- 45

Response to Therapy

- Satisfactory
 - Unsatisfactory
 - Unknown
 - Does not apply
- 46

**PART B
EMERGENCY ROOM MANAGEMENT**

Disposition

- Sent home
- Admitted to hospital 48-50 (code)

- Pt. No. _____
- Referred to another hospital 48-50 (code)

- Agency referral _____ (name)
- Unknown
- Other (explain) _____

Psychiatric Consultation

- Yes
 - No
 - Unknown
 - Does not apply
- 51

The above section should be completed any time a victim is under emergency room or physician care. This definitely requires follow-up on the part of the Poison Center staff.

Patient Status: As assessment of the status of the patient on arrival at the facility should be made and the appropriate response checked. Only one response should be made.

Supportive Measures Instituted: This refers to life sustaining support and includes: ventilation, cardiopulmonary resuscitation, I.V. fluids, termination of seizures, etc. Only one response should be made.

Treatment: Check the most appropriate response(s).

Response to Therapy: Refers to response to any treatment given and is self-explanatory. Only one response should be made.

Lab Work Obtained: Should be self-explanatory. More than one response may be used. If abnormal is checked, state how it is abnormal.

Disposition: The determination of this category may require a considerable delay in completing (4-8 hours) and refers to the disposition from the emergency room. Only one response should be made.

Psychiatric Consultation Obtained: Should be self-explanatory. Only one response should be made. Unknown should be checked only when the information is unobtainable.

**PART C
AT HOME IPECAC STUDY PROTOCOL**

Induction of Emesis

- Contraindications to emesis absent
- Dose explained
 - 15 ml
 - 30 ml
- Fluid Intake (8 oz.) explained

Ipecac in the home 57

Caller sent to pharmacy

Ipecac obtained from pharmacy 58

Name: _____

Address: _____

Phone _____

52-56

FOLLOW UP

59 At 30 minute call:
Yes No Unknown

60

Did caller follow instructions?

61

Did emesis occur?

62 0-15 minutes

63 15-30 minutes

64 Additional ipecac advised

60 minute call made

Caller followed instructions

Emesis occurred

30-45 minutes

45-60 minutes

Emesis failure

Referred care
(Complete management section above)

65-72 Observed at home

4 hour call made

PCC Code 74-76

Date _____ Time _____

24 hour call made

PCC Code 78-80

77

Date _____ Time _____

At 4 hour follow-up:

Yes No Unknown

9

Did the victim exhibit any symptoms from ingestion?

Did the victim exhibit any complications from the Ipecac-induced emesis?

10

Aspiration

Other

Prolonged vomiting

Unknown 11-14

Yes No Unknown

15

Was additional medical care sought by caller without advice of PCC?

PCC call

Hospitalized

Physician

Other

E.R.

Unknown 16-21

At 24 hour follow-up:

22 Yes No Unk Dna

Did the victim still present symptoms reported during the 4-hr. follow-up?

Did the victim present symptoms at 24 hrs not previously reported?

Did the victim present other symptoms at the 4-hr follow-up?

The victim did not present other symptoms at the 4-hr. follow-up?

Were additional complications reported at 24 hrs not previously reported?

Did the victim seek additional medical care, not previously reported? 23-28

The section above should be completed anytime the Poison Center staff manages a patient with the induction of emesis at home after first consulting the guidelines of the "ipecac procedure".

The Poison Center staff should ascertain that there are no contraindications to the induction of emesis, explain the procedure to the caller including the appropriate dose and fluid intake. While doing this, the staff member should check the appropriate boxes as a reminder. Then the source of ipecac must be defined and an appropriate response made. If the caller does not have ipecac in the home, the caller should be sent to the appropriate pharmacy. The pharmacy should be contacted by the Poison Center and that information should be noted on the form.

Follow-Up: The ipecac follow-up will be in effect for at least 24 hours. This means that the individual initiating the ipecac protocol will probably not be the individual to complete the protocol.

30 Minute Call: Approximately 30 minutes after the ipecac procedure is initiated (may be longer if the ipecac must be obtained from a pharmacy) a call should be made to the victim (or their guardian) to assure that the Poison Center instructions were followed and whether emesis has occurred. If emesis has occurred, note and check the appropriate time slot.

60 Minute Call: If emesis has not occurred then additional ipecac should be given (as per PCC protocol) and another call made in another 30 minutes (60 minute call). At this time it should again be ascertained if the Poison Center instructions were followed and if emesis has occurred. If emesis has occurred, note and check the appropriate time slot.

4 Hour Call: At an appropriate time (2-12 hours) after the induction of emesis a "4-hour" call should be made and the appropriate response to the questions should be checked. If the appropriate response to any question is "yes" then a written (brief) explanation should be entered on the form.

24 Hour Call: Approximately 24 hours after the induction of emesis a final follow-up call should be made and the appropriate response to the question should be checked. If the answer again is "yes" an explanation should be entered on the form. The first question applies to symptoms reported at 4 hours post ingestion. If no symptoms were reported at this time, DNA (does not apply) is the appropriate response. Question two concerns new symptoms. If it is answered "yes", then either question 3 or 4 must be marked. The correct circle is determined by reviewing the symptoms reported at 4 hours; if present, mark #3, if absent, #4. Question five refers to emesis related problems not reported at the 4 hour follow-up. Question six is self explanatory.

Supervisor Evaluation: The purpose of this section is twofold: to provide a standardized mechanism for student evaluation and secondly, to provide feedback for student use. Because students are used in the operation of the Center, it is important that their performance be closely monitored while in the Center, functioning as one of its representatives. It is hoped that involvement in our program will provide a unique learning and growth experience. Thus, student evaluations will be used in a constructive manner to help them achieve a high level of confidence in the area of poisoning management. Supervisor evaluations as well as pointing out the need for supplemental learning experiences for students with demonstrated deficiencies in one or more areas. Day to day report form evaluations represent only one form of student evaluations. However, their value must never be devalued. They provide the only continuous source of feedback and thus play an essential role in our teaching and evaluation program.

Number of Omissions

An omission is defined as the absence of information with a 30% screened area. The supervisor counts the number of total omissions on a report form and records that number. Note, a student is not responsible for omissions related to follow-up calls when those calls normally occur after he goes off shift. Similarly, if ipecac is not administered at home or emergency room treatment is not given, information missing in those sections is not considered an omission. In those cases where the item in the 30% screened area has been checked and a 10% screened area extends from that item (see example below),

SAFETY PACKAGING

Substance in safety closure: ₅₂ Yes No Unknown Does not apply
If yes, was safety closure secured? ₅₃ Yes No Unknown

one or more of the items in the 10% screened area must be checked or an omission will be recorded.

Number of Mistakes

Mistakes refer to those screened areas where incorrect information is present and assessment is not involved (e.g., manufacturer). The supervisor again records the total number of mistakes.

Number of Incorrect Assessments

Assessments refer to those points in the handling of the problem where students make decisions affecting management of the case. There are four points of assessment: 1) Type of call, i.e., poisoning or information, 2) mode of intoxication, i.e., ingestion, inhalation, percutaneous, ocular, envenomation or other, 3) type of intoxication, i.e., accidental, suicidal, environmental, drug abuse and other, and 4) assessment of toxicity. Note that two assessments are required in the assessment of toxicity: 1) the toxicity of the agent and 2) symptomology or related effects. The supervisor records the total number of incorrect assessments (not to exceed 5).

M. Any call from an attorney or law enforcement official where technical information is requested.

Yes should be checked when one of the above conditions is in effect and the student appropriately seeks supervisory consultation. Conversely, when one of the above conditions is in effect and the student fails to obtain consultation, no should be checked. When none of the above conditions is in effect and the student does not obtain consultation, the does not apply response should be checked.

Appropriate management: Yes No Does not apply
If no, explain:

Three sections of the report form deal with management: 1) the management section, 2) emergency room management and 3) induction of emesis. When the type of management selected by the student is appropriate to the problem, the yes response should be checked. If management in any of the above sections is inappropriate (e.g., advising ipecac with a drowsy victim), the no response should be checked. When no management is involved (e.g., most information calls) the does not apply response is appropriate. Note that management sections are the primary sources of liability for us. Thus, it is in our best interest to evaluate these sections effectively.

Phone management: Acceptable Unacceptable Does not apply Unable to assess
If unacceptable, explain:

Although the least important category for evaluation purposes, phone management was included for those instances in which the supervisor has the opportunity to observe and listen to the student managing the call. Acceptable should be checked in those instances where the supervisor feels the management was satisfactory. Unacceptable should be checked in those instances where the caller is angered or for some other reason becomes dissatisfied with the student. Does not apply refers to cases initiated in the emergency room. Unable to assess refers to those cases where for some reason, the supervisor was not attending to the phone management.

Interaction with medical staff: Acceptable Unacceptable Does not apply Unable to assess
If unacceptable, explain:

Applies when working with medical staff in our emergency room or some other setting. The categories of acceptable, unacceptable, does not apply and unable to assess are self-explanatory.

tp
2-12-75

Use of standard information resources: Satisfactory Unsatisfactory Does not apply
If unsatisfactory, explain:

Several forms of resource material are available in the center for aiding staff in the management of calls. In many instances, personal knowledge will be sufficient for appropriate management. However, in many cases, available materials must be used for appropriate management of the problem. Satisfactory should be checked whenever the problem has been managed in the best possible manner. However, in cases where management was merely adequate or poor as a result of the student's not researching the problem adequately, unsatisfactory may be checked. The exact number or specific resource(s) that should be used is dependent on the nature of the poisoning. Does not apply should be checked whenever the problem does not require use of information resources, e.g., many information calls would not involve information resources.

Consultation appropriately obtained: Yes No Does not apply
If no, explain:

The following situations require supervisory consultation by students:

- A. When a laymen, hospital, nurse or physician wants treatment (management) information for a serious, acute intoxication. If student is unsure about the seriousness, he or she should take a conservative approach and consult.
- B. When available information is insufficient thereby making problem assessment difficult.
- C. When a question arises concerning appropriate treatment by the University housestaff.
- D. Calls from news media sources.
- E. When the student does not understand the pathophysiology of an ingestion (intoxication).
- F. When a caller requests or information is needed from a secondary consultant, e.g., seed analyses, plant identification, etc.
- G. Highly technical calls which are obviously beyond the scope of the resources within the center, or which require a judgement with important medical, social, economic or legal implications.
- H. When the student is not sure of his or her response to the caller's request.
- I. Prior to inducing emesis.
- J. Any potentially serious ingestion.
- K. Any ingestion where the victim is directed to or presents himself at the UUMC emergency room.
- L. Any ingestion that is a potential hospital admission or actual hospital admission.

APPENDIX C

Products/Agents Included in Soap and Detergent Association
Ingestion Study

PRODUCTS INCLUDED IN
SOAP AND DETERGENT ASSOCIATION INGESTION STUDY

AUTOMATIC DISHWASHING GRANULES

Calgonite
Cascade
Dishwasher All
Finish
Electrosol
Other Electric Dishwashing Detergents -
Without Bleach
Other Electric Dishwashing Detergents -
With Bleach

BAR SOAPS

Camay
Caress
Dove
Dial
Irish Spring
Ivory
Life Buoy
Lux
Palmolive
Safeguard
Woodbury
Zest
Other Bar Soaps
Liquid Hand Soaps
Powdered Hand Soaps

BLEACHES

Granular Containing Sodium Peroxide
Granular Containing Sodium Perborate
Granular Containing Sodium (Calcium) Hypochlorite
Granular Containing Other
Liquid Containing Sodium Peroxide
Liquid Containing Sodium Perborate
Liquid Containing Sodium (Calcium) Hypochlorite
Liquid Containing Other
Commercial Bleaches
Bleaches Mixed With Other Household Cleaning
Agents
Beads 'O' Bleach
Clorox
Purex

CAUSTICS

Hydrochloric Acid
Phosphoric Acid
Sulfuric Acid
Other Mineral Acids
Acetic Acid
Oxalic Acid
Other Organic Acids
Sodium Hydroxide
Sodium Carbonate
Other Mineral Hydroxides
Other Mineral Bases
Other Toilet Bowl Cleaners
Drano
Liquid Plumber

DISHWASHING LIQUIDS

Ajax
A & P
Chiffon
Dawn
Ivory Liquid
Joy
Lux
Palmolive
Swan
Thrill
Trend
Vel
Other Dishwashing Liquids

FABRIC CARE PRODUCTS

Bounce
Downy
Nu-Soft
Spray 'N Wash
Clorox - See Bleaches
Purex Bleach - See Bleaches
Other Fabric Softeners
Other Fabric Whiteners
Shoe Polish
Bluing Powder

GRANULAR LAUNDRY DETERGENTS

All
Ajax
Amway
Arm & Hammer
Axion
Biz

GRANULAR LAUNDRY DETERGENTS (Continued)

Bold
Bonus
Breeze
Cheer
Cold Power
Dash
Dreft
Drive
Duz Detergent
Duz Soap
Fab
Gain
Ivory Flakes
Ivory Snow
Miracle White
Oxydol
Rinso
Salvo
Sears
Silver Dust
Tide
Topco
Trend
White Sale
Other Enzyme Laundry Presoaks
Detergents With Borates
Other Anionic Detergents
Other Low Phosphate Detergents
Other Detergents with Bleaching and/or
Bacterial Properties
Other Non-Ionic Detergents

HOUSEHOLD CARE PRODUCTS

Ajax Cleaner
Ajax With Ammonia
Comet
Handy Andy
Janitor In A Drum
Lestoil
Lysol Cleaner
Mr. Clean
Spic & Span
Top-Job
Window Cleaners
Ammonia Cleaner
Other Granular Floor and Wall Cleaners
Other Liquid Floor and Wall Cleaners
Other Cleansers With Bleaching and/or
Bactericidal Properties
Pine-Sol
Blue Boy

HOUSEHOLD CARE PRODUCTS (Continued)

Apex
Tid-E-Bowl
409 Cleaner
Sani-Blue
Other Tub and Tile Cleaners

LIQUID LAUNDRY DETERGENTS

Cold Water All
Era
Dynamo
Sears
Wisk
Other Liquid Laundry Detergents

RUG AND UPHOLSTERY SHAMPOOS

APPENDIX D

Soap and Detergent Association Consumer
Product Ingestion Follow-up Form

SOAP AND DETERGENT ASSOCIATION
CONSUMER PRODUCT INGESTION FOLLOW-UP
(Attach to initial IRPCC Report)

I. GENERAL

A. Person Completing Report: _____

B. Case Number: _____

C. Relationship of Informant to Patient: _____

D. Date of Incident: Date: _____ Time of Day: _____

E. Age of Patient: _____ Sex of Patient: Male Female Unknown

F. Place Where Incident Occurred:

- | | |
|-----------------------------------|---|
| <input type="checkbox"/> School | <input type="checkbox"/> Workplace _____
(specify) |
| <input type="checkbox"/> Outdoors | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> Home | <input type="checkbox"/> Other _____
(specify) |

If in home, room:

- | | | |
|--------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Kitchen | <input type="checkbox"/> Bathroom | <input type="checkbox"/> Laundry room |
| <input type="checkbox"/> Dining room | <input type="checkbox"/> Bedroom | <input type="checkbox"/> Basement |
| <input type="checkbox"/> Living room | <input type="checkbox"/> Family room | <input type="checkbox"/> Garage |
| <input type="checkbox"/> Unknown | <input type="checkbox"/> Other _____
(specify) | |

G. Patient Seen in Emergency Room: No Yes

E.R. Disposition of Case: _____
(specify)

II. INFORMATION ON INVOLVED PRODUCT

A. Brand Name: _____ Type of Product: _____

B. Manufacturer/Distributor: _____

C. Type of Container:

- | | |
|---|---|
| <input type="checkbox"/> Pour-out bottle/can | <input type="checkbox"/> Aerosol spray bottle/can (pressurized) |
| <input type="checkbox"/> Squeeze bottle (non-spray) | <input type="checkbox"/> Carton/box |
| <input type="checkbox"/> Spray bottle/can (non-pressurized) | <input type="checkbox"/> Paper wrapper |
| <input type="checkbox"/> Unknown | <input type="checkbox"/> Other _____
(specify) |

D. Warning Label on Product:

No Did Not Notice

Yes Unknown

Other _____

Type: Ingestion Eye Skin Keep out of reach of children

Other _____
(specify)

Had patient/parent read warning prior to accident:

Yes No Other _____
(specify)

E. Product in Original Container: Yes No _____
(specify type of container)

F. Condition of Product: As Purchased Diluted/dissolved in water
 Other _____

G. Product Status at Time of Incident:

In use:

On floor

Tubside/shower

On sink/counter top

Dishwasher

On table

Toilet bowl

On washer/dryer

Oven

Other _____

In storage:

On low shelves (<3' high)

On window sill

On high shelves (>3' high)

Tubside/shower

Medicine chest

Garbage

Closet floor

Other _____
(specify)

Under sink

Unknown

Other _____
(specify)

H. If More Than One Product Involved, Were Products:

Separate Mixed Unknown Other _____
(specify)

III. DESCRIPTION OF INCIDENT

A. Amount of Material Ingested:

- < 1 teaspoonful
- 1 - 3 teaspoonsful
- 1 - 3 tablespoonsful
- 1/5 - 1/2 cupful
- 1/2 - 1 cupful
- > 1 cupful
- Unknown

B. Type of Incident: Accidental Inflicted by Another Person

C. Brief Description of Incident: _____

IV. EFFECTS (Within 24 hours)

A. Effects of Incident Experienced by Patient:

- None
- Nausea
- Abdominal pain

Emesis

of episodes _____ Onset _____ Duration _____

Diarrhea Onset _____ Duration _____

Mucosal Effects

	Irritation	Ulceration	Sloughing	Other (specify)
Mouth				
Esophagus				
Stomach				
Other (specify)				

Specify site/type _____ Onset _____ Duration _____
Specify site/type _____ Onset _____ Duration _____

V. PRE EMERGENCY ROOM TREATMENT

A. Type of Treatment Instituted:

None Gave an emetic

Gave water or milk Unknown

Other home treatment or first-aid: (specify) _____

B. Basis for pre E. R. Treatment:

- Information on Product Label Advice from physician Unknown
- Advice from Poison Control Center Advice from non-professional
- Personal judgment Other _____
(specify)

VI. TREATMENT

A. If referred to E.R., attach detailed report of findings, management and final disposition.

B. If managed at home, time required for symptoms to subside:

- < 1 hour 12-24 hours
- 1 - 4 hours 24-96 hours
- 4 - 12 hours > 96 hours _____
(specify)

VII. PROGNOSIS AT DISCHARGE

A. Last Interview:

Investigator _____ Date _____