

MATERIAL SAFETY DATA SHEET



KNAPP Manufacturing

Knapp Manufacturing
P.O. Box 7995
Fresno, California 93747

Daytime Phone: 559-251-8254
Emergency: Chem-Tel 800-255-3924
Date Compiled: April 2, 1999

SECTION 1: PRODUCT IDENTIFICATION

Product name: **FIELD STRIP C202**

Synonym/Chemical name/Common name: Cleaner

DOT Proper shipping name: Corrosive liquid, N.O.S. (Contains Ethanolamine), 8, UN 1760, PG II.

Knapp inventory number: 12115

SECTION 2: INGREDIENT INFORMATION

Hazardous Ingredients	Wgt %	Toxicity Data
Monoethanolamine CAS# 141-43-5	15	TLV & PEL=3 ppm
Potassium Hydroxide* CAS# 1210-58-3	<5	TLV=2 mg/m ³ in air
Sodium Metasilicate CAS# 683492-0	<5	N/D
Dipropylene Glycol Butyl Ether CAS# 29911-28-2	<25	N/D
Linear Alkyl Benzene Sulfonate CAS# 685484-27-0	<5	N/D
Isononanoic Acid CAS# 3302-10-1	<10	N/D
Benzyl Alcohol CAS# 100-51-6	<5	N/D

This product contains no chemical at a level, which poses a significant risk as defined by California Proposition 65.

*This chemical is subject to the reporting requirements of Title III SARA, section 313 of EPCRA (40 CFR 372).

N/D=Not determined

N/A=Not applicable

SECTION 3: PHYSICAL CHARACTERISTICS

Specific Gravity ($H_2O=1$): 1.033

Vapor pressure: 17 mm Hg

Vapor density ($Air=1$): >1

Percentage volatile by weight: 87

Solubility in water: Complete

pH (Undiluted): 13.5 to 14.0

Evaporation rate ($H_2O=1$): 1.0

Freezing point: 32°F

Boiling point: 212°F

Appearance and odor: Clear, purple liquid with bland odor

SECTION 4: FIRE AND EXPLOSION HAZARDS

Flash point: Nonflammable

Flash point test method: N/A

Flammability limits: N/A

Extinguishing media: Treat primary fire

Special fire fighting procedures: None

Unusual fire or explosive hazards: None

SECTION 5: REACTIVITY DATA/CONDITIONS TO AVOID

Stability: Stable

Incompatibilities (Conditions to avoid): Do not mix with acids

Hazardous decomposition products: None

Hazardous polymerization will not occur.

Conditions to avoid: None are known

SECTION 6: HEALTH HAZARDS/FIRST AID

Primary routes of entry: None

Signs and symptoms: Product is corrosive to unprotected skin and eyes.

First aid procedures: For skin contact, flush with large amounts of water. For eye contact, flush with water for at least 15 minutes. If irritation persists, contact a physician. If swallowed do not induce vomiting. Give juices of orange or lemon water.

There are no known chronic health effects caused by use of this product.

N/D=Not determined

N/A=Not applicable

SECTION 7: PERSONAL PROTECTION RECOMMENDATIONS

Respiratory protection: None required

Ventilation: Use with adequate ventilation

Protective gloves: Rubber gloves are recommended for unprotected hands during mixing or use.

Eye protection: Guard against splashing in eyes. Avoid sprayed mists.

SECTION 8: STORAGE/SPILL/SPECIAL HANDLING INFORMATION

Steps to be taken in case of spill: Spill area will be slippery until spilled material is removed. Remove with rags, mops, or by flushing with water.

Waste disposal: Follow all local, state and federal waste disposal regulations.

Special storage or handling precautions: Do not expose to freezing temperatures. Do not expose to open flame or ignition sources.

N/D= Not determined

N/A= Not applicable

This Material Safety Data Sheet is written and provided in good faith for the sole purpose of providing information for the safe use and handling of this product. It is compiled from technical data believed to be current and correct. It should not be taken as a warranty or representation for which Knapp Manufacturing assumes any legal responsibility. The buyer assumes all responsibilities of using and handling the product in accordance with local, state, and federal regulations.



CLEAN ACROSS AMERICA AND
THROUGHOUT THE WORLD™

1-877-I-BUY-ZEP (1-877-428-9937)

ZEP MANUFACTURING COMPANY
P.O. BOX 2015
ATLANTA, GEORGIA 30301

SOLD TO:

00257

(360)
STATE CENTER COMM COLLEGE DISTRICT
390 W. FIR CLOVIS CENTER
CLOVIS CA 93611

MATERIAL SAFETY DATA SHEET

AND SAFE HANDLING AND DISPOSAL INFORMATION

ISSUE DATE: 03/16/95

SUPERSEDES: 01/31/95

ZEP FREEZE

Prod No: 0240 Aerosol Gum Remover

Date printed: 03/15/00

SECTION I - EMERGENCY CONTACTS

TELEPHONE:
(404) 352-1680
MEDICAL EMERGENCY:
(770) 439-4200
(770) 432-2873
(770) 424-4789
(770) 424-2048
(770) 455-8160
(770) 552-8836
TRANSPORTATION EMERGENCY:
(770) 922-0923
CHEMTREC:
(800) 424-9300
DISTRICT OF COLUMBIA:
(202) 483-7616

BETWEEN 8:00 AM - 5:00 PM (EST)
**NON OFFICE HOURS, WEEKENDS
AND HOLIDAYS, PLEASE CALL
LOCAL POISON CONTROL**
TOLL FREE-CALLS RECORDED
ALL CALLS RECORDED

A88485

SECTION II - HAZARDOUS INGREDIENTS

DESIGNATIONS

** 1,1,1,2 - TETRAFLUOROETHANE ** hfc-134a; CAS# 811- 97-2;
RTCS# NONE; OSHA PEL - 1000 ppm

(PPM)	EFFECTS (SEE NOTICE)	% IN PROD.
1000	CNS	>90

SECTION III - HEALTH HAZARD DATA

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use (diluted) so long as prescribed safety precautions are practiced.

ACUTE EFFECTS OF OVEREXPOSURE:

Intentional misuse or deliberate inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness, or death. Prolonged contact with liquid can cause frostbite.

CHRONIC EFFECTS OF OVEREXPOSURE:

There are no known effects from chronic exposure to this product.

None of the hazardous ingredients are listed as carcinogens by IARC, NTP, & OSHA
EST'D PEL/TLV: Not established PRIMARY ROUTES OF ENTRY: Inh, Skin.

HAZARD CODES: HEALTH 1; FLAM. 0; REACT. 1; PERS. PROTECT. B ; CHRONIC HAZ. NO

FIRST AID PROCEDURES:

SKIN: Wash contaminated skin thoroughly with soap or a mild detergent. Apply a skin cream with lanolin. Get medical attention if irritation persists.
EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.
INHALE: Move exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Get medical attention immediately.
INGEST: This route of exposure is not likely due to product nature.

SECTION IV - SPECIAL PROTECTION INFORMATION

PROTECTIVE CLOTHING: The use of neoprene, nitrile or natural rubber gloves is strongly recommended, especially for prolonged contact.
EYE PROTECTION: Wear tight-fitting safety glasses when using or handling this product.
RESPIRATORY PROTECTION: If ventilation is inadequate, wear a properly fitting MSHA or OSHA-approved respirator.
VENTILATION: Ventilation should be equal to outdoors. Use exhaust fans and/or exhaust hood in enclosed spaces.

SECTION V - PHYSICAL DATA

BOILING POINT (F):	-15	SPECIFIC GRAVITY:	N/A
VAPOR PRESSURE(mmHg):	96 psi	EVAPORATION RATE (N/D=1):	N/D
VAPOR DENSITY(AIR=1):	6.06	pH(CONCENTRATE):	N/A
SOLUBILITY IN WATER:	NEGLIGIBLE	pH(USE DILUTION OF N/A):	N/A
VOC CONTENT (CONCENTRATE):	0.0%		

APPEARANCE AND ODOR: A CLEAR, COLORLESS LIQUID WITH A FAINT ETHER-LIKE ODOR.

SECTION VI - FIRE AND EXPLOSION DATA

FLASH POINT(F) (METHOD USED): Nonflammable (CSMA)
FLAMMABLE LIMITS: LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical and foam.
SPECIAL FIRE FIGHTING: Wear self-contained positive pres. breathing apparatus.
UNUSUAL FIRE HAZARDS: Direct water onto intact containers to prevent bursting.

SECTION VII - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY(AVOID): None
POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: Hydrogen fluoride and hydrogen gas.

SECTION VIII - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Observe safety precautions in sections 4 & 9 during spill clean-up. Large spills are unlikely due to packaging. Spill may be absorbed on an inert absorbent material (eg Zep-O-Zorb), and placed in a suitable container for disposal. Wash area thoroughly with a detergent solution and rinse well with water.
WASTE DISPOSAL METHOD:
Product is consumed in use. Do not crush, puncture or incinerate spent containers. Large numbers of aerosol containers may require handling as a hazardous waste, but in most states total hazardous waste quantities less than 220 lbs per month may allow disposal in a chemical or industrial waste landfill. Consult local, state and federal agencies for the proper disposal method in your area.
RCRA HAZ. WASTE NOS.: N/A

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:
Concentration of spray on skin or eyes can quickly cause frostbite and may result in permanent injury.
Keep product out of eyes.
Vapors are heavier than air and will accumulate at low points. Ventilation should include floor level exhausting.
Do not store at temperatures above 120°F (39°C) or in direct sunlight. Do not puncture or incinerate container.
Keep out of the reach of children.

SECTION X - REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: LIQUEFIED GAS, N.O.S. (TETRAFLUOROETHANE)
NOTE: DOT information applies to larger package sizes of affected products. For some products, DOT may require alternate names and labeling in accordance with packaging group requirements.

DOT HAZARD CLASS: 2.2 **DOT PACKING GROUP:**

DOT I.D. NUMBER: UN1956 **DOT LABEL/PLACARD:** NON FL GAS

(Continued on Page: 2)

Spin Shield

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Multi-Clean SpinShield
 Product Class: General purpose water-based cleaner
 Emergency Telephone Number: 800-255-3924
 Telephone Number for Information: 612-481-1900
 Manufacturer's Name and Address:
 Multi-Clean®, A Division of Minuteman International, Inc.
 600 Cardigan Road
 Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Surfactant	1 - 5
B	Water (proprietary)	60 - 100

 CAS #7732-18-5

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
 Appearance and Odor: Blue/green liquid, floral aroma.
 Primary Hazards: Irritant
 Potential Health Hazards
 Route(s) of Entry: Skin Absorption: Ingestion: Inhalation:
 Eye: May cause irritation on contact.
 Skin: May cause irritation on prolonged or repeated contact.
 Ingestion: May be harmful if swallowed.
 Inhalation: No hazardous vapors.
 Signs and Symptoms of Exposure: Irritation on direct contact.
 Carcinogenicity: NTP? No IARC Monographs? No
 OSHA Regulated? No
 Target Organ(s): No additional data
 Medical Conditions Generally Aggravated by Exposure: N. Av.
 Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:
 If Swallowed: Do not induce vomiting. Drink several glasses of water and call a physician immediately. Never give anything by mouth to an unconscious person.
 Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.
 First Aid Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: No Autoignition Temperature: N. Av.
 Flash Point (method used): None LEL UEL
 Flammable Limits: N. Av.
 Extinguishing Media: N. Av.
 Water? Foam? Water Fog?
 Alcohol Foam? CO₂? Dry Chemical?
 Vaporizing Liquid? Other?
 Special Fire Fighting Procedures: N. Av.
 Unusual Fire and Explosion Hazards: N. Av.
 DG Flammability Classification: Non-flammable
 Sensitivity to Mechanical Impact: None
 Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:
 Contain and clean up spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:
 Normal care in handling and storage.
 Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specific Types): Not required. Dust/mist respirator is recommended to prevent inhalation of mists when spraying cleaning chemicals.
 Ventilation: Local Exhaust: Not required Special: Not required
 Mechanical (General): Normal good ventilation sufficient.
 Other: Not required
 Protective Gloves: Natural rubber or synthetic.
 Eye Protection: Approved safety goggles or glasses. Footwear: Not required
 Other Protective Clothing or Equipment: Not required
 Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals. Do not breathe spray mist.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F pH: 11.5
 Specific Gravity (H₂O) = 1: 1.019 % Volatile: > 85
 Vapor Density (Air = 1): N. Av. Odor Threshold: N. Av.
 Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution
 Solubility in Water: Complete Coefficient: N. Av.
 Vapor Pressure (MM HG): N. Av.
 Melting Point: N. Av.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X
 Conditions to Avoid: N. Av.
 Incompatibility (materials to avoid): N. Av.
 Hazardous Decomposition or By-products: N. Av.
 Hazardous Polymerization: May occur: Will not occur: X
 Conditions to Avoid: N. Av.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av.	N. Av.	N. Av.
B	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No
 Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.
 Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:
 Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.
 RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Compound, cleaning liquid, N.O.I.
 UN Number: N. Av.
 Packing Group: N. Av.

SECTION XV - PREPARATION DATA

Prepared By: Mark Levitt
 Telephone Number: 612-481-1900
 Date: 9/28/94

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations
 TSCA Status: All ingredients listed.
 CERCLA Reportable Quality: None
 SARA Title III
 Section 302 Extremely Hazardous Chemicals: None
 Section 311/312 Hazard Category: Immediate health hazard
 Section 313 Toxic Chemicals: None
 State Regulations
 NOTICE STATE OF CALIFORNIA
 Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.
 International Regulations
 WHMIS Controlled Product Hazard Class: D, 2B

SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME 26700 S. Banta Road
Tracy, California 95376
REGULAR TELEPHONE NO. 209/835-5423

EMERGENCY TELEPHONE NO. 209/835-5423
CHEMTREC TELEPHONE NO. 800-424-9300

I - IDENTIFICATION

CHEMICAL NAME Sodium Hypochlorite	CHEMICAL FORMULA NaOCl	MOLECULAR WEIGHT 74.5
TRADE NAME ALL-PURE BLEACH 5.1/4%, GENERIC BLEACH 5.1/4%, PVT. LABEL BLEACH 5.1/4%, ALL-PRO BLEACH		
SYNONYMS bleach, liquid chlorinator, liquid chlorine		DOT IDENTIFICATION NO. NA 1791

II - PRODUCT AND COMPONENT DATA

COMPONENT(S) CHEMICAL NAME	CAS REGISTRY NO.	% (Approx)	ACGIH TLV-TWA
Sodium Hypochlorite	7681-52-9	5.25%	No data found
Sodium Hydroxide	1310-73-2	1.0%	No data found

III - PHYSICAL DATA

APPEARANCE AND COLOR straw yellow liquid with characteristic odor of bleach	SPECIFIC GRAVITY 1.09 at 20°C.
BOILING POINT Decomposes at 230°F with liberation of hazardous gases	VAPOR DENSITY IN AIR (AIR = 1) No information found
VAPOR PRESSURE No information found	% VOLATILE BY VOLUME 74.5%
EVAPORATION RATE No information found	SOLUBILITY IN WATER Complete

IV - REACTIVITY DATA

STABILITY stable at normal storage and use temperature	CONDITIONS TO AVOID Exposure to heat and light will accelerate decomposition. Mixing with other chemicals and consumer products may cause chemical reaction with liberation of hazardous gases.
INCOMPATIBILITY (Materials to avoid) pesticides, heavy metals, acids, ammonia, human waste, paints, kerosene, gasoline, etc. and similar compounds	
HAZARDOUS DECOMPOSITION PRODUCTS Toxic gases generated when heated to decomposition or when reacted with other compounds	
HAZARDOUS POLYMERIZATION No information available	

IV. FIRE AND EXPLOSION

Flash Point, °F (give method) Non-Flammable.

Autoignition temperature, °F N/A.

Flammable limits in air, volume %: N/A.

Lower (LEL) _____

Upper (UEL) _____

Extinguishing materials:

- water spray

☒ carbon dioxide

_____ other:

- foam

☒ dry chemical

Special firefighting procedures: Remove material from fire area if safe to do so. Wear full fire-fighting protective clothing & self contained breathing apparatus. Spray water to cool containers.

Usual fire and explosion hazards:

Material may decompose & form corrosive and toxic fumes.

V. HEALTH HAZARD INFORMATION

Symptoms of overexposure for each potential route of exposure.

Inhaled: Excessive inhalation of vapors/fumes may cause serious irritation of nose and respiratory tract.

Contact with skin or eyes: May cause severe irritation to the skin on eye contact.

Absorbed through skin: None known.

Swallowed: Poisonous. Fatal if swallowed.

Health effects or risks from exposure. Explain in lay terms. Attach extra page if more space is needed.
acute: Causes severe irritation to the nose, respiratory tract, skin, eye and mucous membranes.

Chronic: None known.

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes while holding the eyelids apart. Contact lenses should be removed if initial flush doesn't wash them out. Seek medical attention immediately.

Skin Contact: Flush skin with water for 15 minutes. Wash with soap & water. If irritation persists, seek medical attention. Change & wash contaminated clothing before reuse.

Inhaled: Remove to fresh air. If breathing stops, give artificial respiration and get medical attention immediately.

Swallowed: DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INDUCE VOMITING. Furnish with saline or soap solution. Give milk to drink. Contact physician immediately.

Antidote: Neutralize with ammonia or baking soda.

Recommendation to a doctor: Treat for exposure to acid.

SUSPECTED CANCER AGENT?

☒ NO: This product's ingredients are not found in the lists below.

YES: _____ Federal OSHA _____ NTP _____ IARC

California employers using Cal/OSHA regulated carcinogens must register with Cal/OSHA. The Cal/OSHA and Federal OSHA carcinogen lists are similar.

VI. REACTIVITY DATA

Stability: X Stable Unstable

Conditions to avoid: Heat.

Compatibility (materials to avoid): Will attack glass. (Do not store material in glass or porcelain containers).

Hazardous decomposition products (including combustion products): Hydrogen fluoride and ammonia.

Hazardous polymerization: May occur X Will not occur

Conditions to avoid: Open containers in warm and humid location.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Avoid breathing vapors/mist. Extinguish all kinds of ignition sources until area is determined to be free from explosion or fire hazards. Wear suitable protective clothing/equipment. Sweep up and containerize for further disposal. Flush residue with water. Neutralize with alkaline material (Lime or soda ash) to pH = 7.0 This product is biodegradable.

Preparing wastes for disposal (container types, neutralization, etc.): Dispose of in accordance with Local, State and Federal regulations.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: General mechanical room ventilation should be used. Special local ventilation is needed at points where vapors present in the workplace area.

Respiratory protection (type): If vapors are present, use NIOSH/MSHA approved respirator for organic vapors, or self contained breathing apparatus.

Eye protection (type): Wear full face shield or safety goggles when handling this product.

Gloves (specify material): Use rubber or other impervious gloves.

Other equipment: Wear rubber aprons & boots. Provide emergency safety shower and eye wash fountain. Change contaminated clothing immediately.

Special precautions: DO NOT GET INTO EYE OR ON SKIN. Store in a cool, dry, isolated and well-ventilated area with sprinkler system. Keep away from heat. Do not store in glass or porcelain containers. Do not reuse containers. Keep out of reach of children.

IX. USER'S RESPONSIBILITY

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)

No information available

FLAMMABLE LIMITS (NAF)

No information available

EXTINGUISHING AGENTS

does not burn

UNUSUAL FIRE AND EXPLOSION HAZARDS

decomposes at 230°F with liberation of hazardous gases

VI - TOXICITY AND FIRST AID

EXPOSURE LIMITS (When exposure to this product and other chemicals is concurrent, the TLV must be defined in the workplace.)

No information found

Effects described in this section are believed not to occur if exposures are maintained at or below appropriate TLVs.

Because of the wide variation in individual susceptibility, TLVs may not be applicable to all persons and those with medical conditions listed below.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No information found

ACUTE TOXICITY

Primary route(s) of exposure:

☐ Inhalation

☐ Skin Absorption

☐ Ingestion

Oral LD₅₀ (albino rats) = 6200 mg/kg (Category IV)

Dermal LD₅₀ (albino rats) = greater than 3,000 mg/kg (Category III)

Primary skin irritation (albino rats) = 8.0/8.0 (Category I)

Eyes (albino rats, unwashed) = 53.3/110.0 (Category I)

(albino rats, washed) = 41.0/110.0 (Category I)

FIRST AID

If on skin, wash with plenty of soap and water. If in eyes, rinse eye first, remove contact lens (if applicable), and continue flushing with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of water. Do not give vinegar or other acids. Do not induce vomiting. Get prompt medical attention.

Sodium hypochlorite is not listed in the National Toxicological Program (NTP) Third Annual Report on Carcinogens, nor has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-34, nor is it listed by Federal OSHA. It is not found on the list of chemicals known to cause cancer or reproductive toxicity promulgated pursuant to the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), Chapter 6.6 of the California Health and Safety Code.

VII - PERSONAL PROTECTION AND CONTROLS

RESPIRATORY PROTECTION

None required under ordinary conditions of storage and use. In case of decomposition, use self-contained breathing apparatus.

VENTILATION

Storage and use areas should be well-ventilated.

SKIN PROTECTION

Wear rubber gloves when dispensing product or when handling leaking containers.

EYE PROTECTION

Wear face shield or protective glasses when handling and dispensing.

HYGIENE

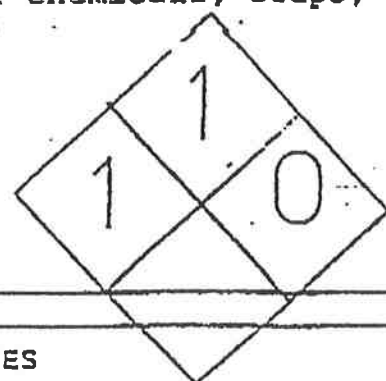
Wash hands with soap and water after handling and dispensing product. Remove and wash contaminated clothing before wearing again.

OTHER CONTROL MEASURES

None

VIII - STORAGE AND HANDLING PRECAUTIONS

Store this product in a cool, dry area away from direct sunlight and heat to avoid decomposition. Always reattach closures after dispensing product. Do not store on top of other chemicals, soaps, paint, etc.



IX - SPILL LEAK AND DISPOSAL PRACTICES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

In case of spill, flood area with a large quantity of water. Flush to a sanitary sewer. As an alternate, absorb product in diatomaceous earth or other approved absorbant, sweep up, and package in polyethylene bags or similar plastic containers for disposal. Contact EPA, state, regional, or local government authorities for disposal instructions.

WASTE DISPOSAL METHOD

Small quantities may be disposed of in a sanitary sewer. Larger quantities should first be neutralized with sodium sulfite or sodium hypsulfite.

X - TRANSPORTATION

DOT HAZARD CLASSIFICATION

Highway - Hypochlorite Solution, ORM-B, NA1791
Ship - Hypochlorite Solution, ORM-B, NA1791
Air - Hypochlorite Solution, ORM-B, NA1791

PLACARD REQUIRED

None

LABEL REQUIRED

None

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REV: May 1, 1991

MATERIAL SAFETY DATA SHEET

1456

I. PRODUCT IDENTIFICATION

TRADE NAME (as labeled)

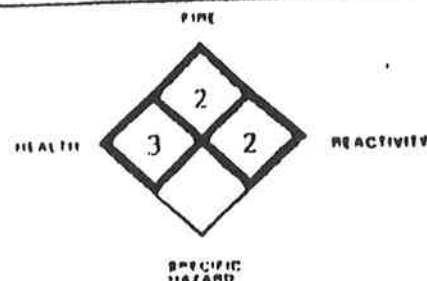
SAFE[®] (New # 1456 &
Old # 60140)

MANUFACTURER'S NAME

Mission Kleensweep Products, Inc.
Address (complete mailing address):
2434 Birkdale Street, Los Angeles, CA 90031
Phone number for additional information:
(213) 223-1405
Date prepared or revised
May 1989

HAZARD RATING

4 - EXTREME
3 - HIGH
2 - MODERATE
1 - SLIGHT
0 - INSIGNIFICANT



II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent	Exposure Limits in Air (give units)	
			ACGIH TLV	HAZARD
Ammonium Bifluoride	7664-39-3	10 to 25 %	LD ₅₀ (Rat) = 129 mg/Kg. 2.50 mg/m ³ In the air.	Poisonous if ingested.

III. PHYSICAL PROPERTIES

Vapor density (air = 1) N/A
Specific gravity (H₂O = 1) 1.07
Solubility in water Complete
Vapor pressure, mmHg at 20 °C N/A
Appearance and odor Water clear liquid with slight alcoholic odor.

Melting point or range, °F N/A
Boiling point or range, °F @ 760 mm Hg, 212 °F
Evaporation rate (butyl acetate = 1) < 1.0
PERCENT VOLATILES BY VOLUME: 85 %

MATERIAL SAFETY DATA SHEET

san joaquin supply

PO Box 7737

Fresno, CA 93747

Daytime Phone: 209-251-8455

Emergency: Chem-Tel 800-255-3924

The information presented in this document has been provided in good faith by the product's manufacturer for the sole purpose of outlining the guidelines on safe use and handling.

KNAPP'S NON ACID BOWL CLEANER B245, B246

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer's Name: Canberra Corporation

Address: 3610 Holland Sylvania Road, Toledo, Ohio 43615

Emergency and Information Telephone Number: (419) 841-6616

Product Name: Knapp's Non Acid Bowl Cleaner

San Joaquin Supply Item Number: B245 & B246

Date Manufacturer's Information Prepared: May 1, 1988

SECTION 2: HAZARDOUS INGREDIENTS

CHEMICAL NAME/COMMON NAME	%	CAS.#	OSHA PEL	ACGIH TLV
2-Butoxyethanol	1-10%	111-76-2	N/A	50 ppm
N-Alkyl Dimethylbenzyl Ammonium Chloride	0.105%	68391-01-5	N/A	N/A
N-Alkyl Dimethylethylbenzyl Ammonium Chloride	0.105%	27479-28-3	N/A	N/A

THIS PRODUCT CONTAINS A CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS FOR SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

SECTION 3: PHYSICAL DATA

Boiling Point: 212°F

Pressure (mmHg): N/D

Evaporation Rate (=1): N/D

Density(Air=1): N/D

Percent Volatile by Volume: 99%

Specific Gravity(H₂O=1): 1.016

Solubility in Water: Complete

Appearance and Odor: Light blue liquid with floral odor.

Vapor

Vapor

SECTION 4: FIRE AND EXPLOSION HAZARDS

Flash Point (Method Used): None

Flammable Limits: N/A LEL: N/A UEL: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION 5: REACTIVITY DATA/CONDITIONS TO AVOID

Stability: Stable

Incompatibility (Materials to Avoid): Anionic Detergents

Hazardous Decomposition Products: None

Conditions to Avoid: N/A

This sheet should not be taken as a warranty or representation for which San Joaquin Supply Co. or the product's manufacturer assumes any legal responsibility. San Joaquin Supply Co. relies on the information provided by the manufacturer and presents all information provided by the manufacturer when preparing MSDS sheets. The buyer assumes all responsibilities of using and handling the product safely, properly and in accordance with local, state, and federal regulations.

N/D = Not Determined

N/A = Not Applicable



Hazardous Polymerization: Will Not Occur.

SECTION 6: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin, Ingestion

Health Hazards: Acute: Irritation of skin or respiratory system.

Chronic: No chronic data is presently available.

Chemical Listed as Carcinogen or Potential Carcinogen by NTP: No IARC: No OSHA: No

Signs and Symptoms of Exposure: Irritation of skin, eyes, or respiratory system.

Medical Conditions Generally Aggravated by Exposure: May aggravate skin disorders and respiratory ailments.

SECTION 7: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with copious amounts of water for 15 minutes. Get immediate medical attention.

SKIN CONTACT: Flush with water. Wash with soap and water. Remove contaminated clothing.

INGESTION: Drink milk, egg whites, gelatin, or large quantities of water. Get medical attention.

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Not required.

Ventilation: Local Exhaust: Adequate Mechanical (General), Special, or Other: Not required.

Protective Gloves: Rubber

Eye Protection: Chemical goggles or face shield

Other Protective Clothing or Equipment: Not required.

Work/Hygienic Practices: Good housekeeping practices apply.

SECTION 9: SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: Contain spill and collect in an approved container. Flush area with water and mop or vacuum to reduce slip hazard.

Waste Disposal Methods: Dispose of in accordance with applicable local, state and federal regulations.

SECTION 10: STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. Use only according to label directions. Avoid contact with skin or eyes.

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OF IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET. The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Canberra Corporation, however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that persons receiving the same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Canberra Corporation be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state or local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.