

MAY 13 2005

PL
28775S
Emergency: 800-255-3924

MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT

NAME: FLO-OUT DRAIN OPENER

Identity: Caustic Drain Opener

MSDS Number: 1137

Date: 6/25/98

TOXICITY: 3

FIRE: 0

REACTIVITY: 0

PROTECTION: C

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Name	CAS Number	PEL	TLV	%
Sodium Hydroxide	1310-73-2	2 mg/M ³	2 mg/M ³	>50

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	Specific Gravity:	Vapor Pressure	Melting Point:
NA	NA	(mm Hg.): 0	ND
Vapor Density:	Evaporation:	Water Solubility:	pH @ 77 F: NA
(Air = 1): NA	(H ₂ O=1): 0	Complete	
Appearance and Odor:	Orange Powder, Green Color (when diluted), Pine Odor.		

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC):	LEL:	UEL:	Flammable Limits:
None	NE	NE	NA

Extinguishing Media: Appropriate to fire fuel source.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: May liberate oxygen when exposed to flame.

SECTION V. HEALTH HAZARD DATA

Route(s) of Entry: INHALATION? No EYES? Yes SKIN? Yes INGESTION? No

(Acute) Health Hazards:

Eyes: Contact with eyes may cause damage.

Skin: Contact with skin may cause damage.

Ingestion: Swallowing may cause damage but it is so caustic a person will be unable to swallow it.

Inhalation: is not likely to occur. A dust may cause sneezing but the corrosive component is beaded and will not remain airborne.

(Chronic) Health Hazards: None known.

Signs and Symptoms of Exposure:

Eyes: Immediate burning.

Skin: Delayed burning and slick feeling.

Ingestion: Immediate intense burning in mouth.

Inhalation: Sneezing.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin disorders.

Emergency and First Aid Procedures:

Eyes: Flush eyes with large amounts of water, lifting upper and lower eyelids. If irritation persists, obtain medical attention.

Skin: Wash off with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, obtain medical attention.

Ingestion: Obtain immediate medical attention.

Inhalation: Remove to fresh air. If irritation persists, obtain medical attention.

SECTION VI. TOXICITY DATA

Carcinogenicity: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

VAL - U - CHEM

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SECTION VII. REACTIVITY DATA

Stability: Stable

Hazardous Polymerization Will Not Occur

Incompatibility (Materials to Avoid): Acids.

Hazardous Decomposition Byproducts: Carbon Dioxide.

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Small Spills: Sweep up.

Large Spills: Shovel up then sweep.

Disposal: Consider neutralization. Follow Federal, State, and Local requirements.

Handling and Storing: Store in a cool, dry, well ventilated area. Keep container tightly closed when not in use.

Other Precautions: Keep out of reach of children. For industrial and institutional use only.

SECTION IX. CONTROL MEASURES

Respiratory Protection: Not normally indicated

Ventilation: Normal indoor ventilation

Local Exhaust: Not normally indicated

Mechanical (General): Not normally indicated

Special: N/A

Other: N/A

Protective Gloves: Rubber or vinyl.

Eye Protection: ANSI Z87.

Other Protective Clothing or Equipment: Long pants and sleeves.

Work/Hygienic Practices: The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

SECTION X. DOT INFORMATION

Sodium Hydroxide Solid Mixture, 8, UN 1823, PG II

SECTION XI. MISCELLANEOUS INFORMATION

SARA 313:

Notice: All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Applicable

S - May Be Absorbed Through Intact Skin

ND - No Data Available

Supersedes: 1/20/98

RECEIVED

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**Safety and Environmental
Health**