

MATERIAL SAFETY DATA SHEETS
(MSDS)

ITEM NUMBER: 0540041 - **DRAIN OPENER CLEANER & MAINTAINER**
IDENTITY (As Used On Label and List): **LIQUID DRAIN OPENER**

Emergency Medical Telephone Number 800-255-3924 (24 HRS)

PRODUCT HAZARD RATINGS: - Health = 3, Fire = 3, Reactivity = 1, Protective Equipment = *B (HMIG)
(Rating Legend: - 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

Section 1

DETERGENT MARKETING SYSTEMS, INC.
900 RATHBONE AVENUE
AURORA, IL 60506

TELEPHONE NUMBER FOR INFORMATION:
630-859-8200
DATE REVISED: 03/07/2003
NAME OF PREPARER: Mike Gasteier

Section II - Hazardous Ingredients/Identity Information

Components are listed in this section if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CARCINOGEN by NTP, IARC, or OSHA as of the date of the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible Exposure Limits (PELS) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLV's) appear on the line with the component identification. Other recommendations appear as footnotes.

Chemical Names	Exposure Limits (LD50-Oral Rat)	Sara Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
Potassium Hydroxide (CAS # 1310-73)			2mg/M3	2mg/M3	18-23%

Section III - Physical Characteristics

Boiling Point: N/A Vapor Pressure (mmHG): N/A
Solubility/Water: Complete Vapor Density (AIR = 1): N/A
Appearance and Odor: Red\None

Specific Gravity (H2O=1): 1.05
Evaporation Rate (Ether=1): About the same
pH: 12.6

Section IV - Fire and Explosion Hazard Data

Flash Point (TCC): None
Flammable Limits - NF
Extinguishing Media: None
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

Section V - Reactivity Data

Stability: Stable
Incompatibility (Materials to Avoid): Acids ; oxidizers; reducers
Hazardous Decomposition Products: None known
Conditions to Avoid: Do not store above 54C - 130F.

Section VI - Health Hazards

Routes of entry - skin, eyes, ingestion, inhalations

Signs and Symptoms of Exposure : Severe skin contact may cause irritations and burns. Possible skin absorption. eye contact may cause severe or permanent damage. Ingestion: Do not induce vomiting. Drink milk or water.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin or eye disorders may be aggravated by exposure to this product.

Emergency and First Aid Procedures: Inhalation: Remove victim to fresh air and restore breathing if necessary. Stay with victim until arrival of emergency medical personnel. In case of eye contact, flush immediately with large amounts of water for 15 minutes. If irritation persists, seek medical attention. Skin: Remove contaminated clothing. Wash affected area with soap and water. If irritation persists, consult a physician. Ingestion: Get immediate medical attention.

Section VII - Precautions for Safe Handling and Use

Releases or Spilled: Flush with water ; neutralize with water.

Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Handling and Storing: Wash after handling. Do not get in eyes, on skin or clothing.

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section VIII - Employee Protection

Respiratory Protection: (*Type*): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.

Protective Gloves: Neoprene

Eye Protection: Goggles

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

Section IX - Other Regulatory Controls

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Section X - Transportation (D.O.T. Classification)

DOT Class: Corrosive Liquid N.O.S. NA 1760, Containing Caustic Potash Solution.

KEEP OUT OF REACH OF CHILDREN

NG - Negligible NA - Not Applicable NE - Not Established UN - Unavailable ND - Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.