

MATERIAL SAFETY DATA SHEETS
(MSDS)

ITEM NUMBER: 0350050 - HEAVY DUTY CHLORINATED MACHINE DETERGENT
IDENTITY (As Used On Label and List): HD CHLORINATED DISHMACHINE

Emergency Medical Telephone Number 800-255-3924 (24 HRS) DMS # 115

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

Section 1

Manufactured by:

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

TELEPHONE NUMBER FOR INFORMATION:
630-859-8200

DATE REVISED: 02/20/03

NAME OF PREPARER: Regina Allen

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.
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Potassium Hydroxide (CAS # 1310-58-3)			2mg/M3	2mg/M3	<45%
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Section III - Physical Characteristics

Boiling Point: 108 Vapor Pressure (mmHG): N/A
Solubility/Water: Complete Vapor Density (AIR = 1): N/A
Appearance and Odor: Clear/None

Specific Gravity (H2O=1): 1.23
Evaporation Rate (Ether=1): About the same
pH: 12.8

Section IV - Fire and Explosion Hazard Data

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

Section V - Reactivity Data

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

Section VI - Health Hazards

Routes of entry - skin, eyes, ingestion, inhalation

Signs and Symptoms of Exposure : Irritation or burning of skin, mucus membranes, eyes.

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

Emergency and First Aid Procedures: Get medical attention. 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: Induce vomiting, drink milk or water.

Section VII - Precautions for Safe Handling and Use

Releases or Spilled: Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Flush with water, neutralize with water. 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 with normal usage.

Ventilation: Local exhaust is adequate under normal conditions.

Protective Gloves: None required with normal usage.

Eye Protection: None required with normal usage.

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

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. (Containing Potassium Hydroxide) NA 1760.

KEEP OUT OF REACH OF CHILDREN

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

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