

# SAFETY DATA SHEET

# DETERGENT MARKETING SYSTEMS, INC.

ISSUE DATE: 2/16/2015  
REV. DATE: 11/13/2018

## 1. IDENTIFICATION

**PRODUCT NAME:** HD Hi Temp Dish Machine Detergent  
**PRODUCT CODE:** 0330015 / 0330041  
**RECOMMENDED USE:** Automatic Dish Machine  
**RESTRICTIONS ON USE:** Follow Label Instructions.  
**LABEL COMPANY BRAND:** CHEMPRO

Detergent Marketing Systems, Inc. | 300 N. LAKE STREET | MONTGOMERY, IL 60538  
**EMERGENCY NUMBER:** 1-800-255-3924 CHEMTEL  
**PRODUCT INFORMATION:** 1-800-227-7765  
**INTERNET ADDRESS:** [www.detergentmarketing.com](http://www.detergentmarketing.com)

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION:

Skin Corrosion and Irritation.  
Serious eye damage and eye irritation.  
Corrosive to metals.

### LABEL ELEMENTS

**PHYSICAL STATE:** Liquid **COLOR:** Clear

**ODOR:** Slight Odor

**SIGNAL WORD:** Danger **PICTOGRAMS:** Corrosion and Exclamation.

**HAZARD STATEMENTS:** Causes skin burns, eye damage and may be corrosive to metals.

**PRECAUTIONARY STATEMENTS:** Avoid breathing vapors or mists. Use only with adequate ventilation. Do not ingest. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Keep container closed. Wash thoroughly after handling.

**FIRST AID: IF IN EYES:** Rinse cautiously and continuously with water for several minutes. **IF ON SKIN OR HAIR:** Take off all contaminated clothing immediately. Rinse skin with water for several minutes. **IF SWALLOWED:** Rinse mouth with water. **Do NOT** induce vomiting. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. SEE (Sec. 4)

**START FIRST AID IMMEDIATELY AND CONTACT A PHYSICIAN.**

**KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL AND INDUSTRIAL USE ONLY. HAZARDS NOT OTHERWISE CLASSIFIED:** Not applicable.

Category 1  
Category 1  
Category 1



## 3. COMPOSITION – INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	PERCENT
POTASIUUM HYDROXIDE	1310-18-5	25-45
CHELATING AGENT	164462-16-2	5-9
DETERGENT POLYMER	68479-09-4	2-6
SODIUM SILICATE	1344-09-8	2-6

#### 4. FIRST AND MEASURES

**EYE CONTACT:** Flush with plenty of water for several minutes. If irritation occurs and persists, get medical attention.

**SKIN CONTACT:** Remove clothing. Flush skin with plenty of water. If irritation occurs and persists, get medical attention.

**INHALATION:** Move to a well ventilated area.

**INGESTION:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Dilute by drinking milk or water if tolerable. Get medical attention immediately.

**SYMPTOMS and/or EFFECTS:** Causes severe eye damage and skin burns.

**MEDICAL CONDITIONS AGGRAVATED:** May aggravate pre-existing skin disorders and pulmonary diseases.

#### 5. FIRE FIGHTING MEASURES

**CHEMICAL HAZARDS:** Corrosive.

**FLAMABILITY OF THE PRODUCT:** If heated, a pressure increase will occur. Container may burst.

**SUITABLE EXTINGUISHERS:** Water, dry chemical, CO2 or foam suitable for fire.

**UNSUITABLE EXTINGUISHERS:** No restrictions.

**SPECIAL EXPOSURE HAZARD:** Isolate the scene by removing all persons from the area if there is a fire.

No action shall be taken involving any personal risk without training.

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:** No specific data.

**PROTECTIVE EQUIPMENT:** Fire fighters should wear appropriate protective equipment and SCBA with a full face piece operated in positive pressure mode.

#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** No action shall be taken involving any personal risk or without training. Evacuate the area. Keep unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate ventilator if ventilation is inadequate.

**ENVIRONMENTAL PRECAUTIONS:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

**METHODS FOR CLEANING UP SMALL AND LARGE SPILLS:** Small spills may be wiped up and rinsed with water. For larger spills, dike to contain. Pump to labeled container or absorb spillage and scoop up with inert absorbent material. Rinse and area with water and follow with normal clean up procedures.

#### 7. HANDLING AND STORAGE

**HANDLING:** Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first aid measures. Avoid contact with eyes. Do not taste or swallow. Product residue may remain on or in empty containers. Handle carefully to avoid damaging container.

**STORAGE:** Keep container closed when not in use. Storage at ambient temperatures in a dry area out of direct sunlight. Protect from freezing. Rotate stock regularly. Keep away from food and drink. Store locked up. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** POTASSIUM HYDROXIDE = 2 MG/M3 CEILING LIMIT (ACGIH/OSHA)

**ENGINEERING CONTROLS:** None required. general room ventilation is adequate.

### PERSONAL PROTECTION

**EYES:** Safety goggles.

**HANDS:** Chemical resistant gloves.

**RESPIRATORY:** Respirator if working in vapors.

**FEET:** Rubber boots for clean-up.

**BODY:** Protective clothing when exposure is possible.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear Liquid

**ODOR:** Slight Odor

**pH CONCENTRATE:** 13

**pH @ 2500 PPM SOLUTION:** N/A

**DILUTION:** N/A

**PHYSICAL STATE:** Liquid

**RELATIVE DENSITY (WATER):** 1.1

**SOLUBILITY (WATER):** Completely

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**VISCOSITY:** Non-Viscous

**FLASH POINT:** None

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Do not mix with other chemicals.

**CHEMICAL STABILITY:** Stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None known. Will not polymerize.

**CONDITIONS TO AVOID:** Temperatures below 35°F (1.6°C) or above 120°F (49°C).

**MATERIALS TO AVOID:** Direct mixing with other chemicals. Mix only with water. **HAZARDOUS**

**DECOMPOSITION PRODUCTS:** None under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Eyes, skin, ingestion, inhalation.

**INFORMATION ON ROUTES OF EXPOSURE:** No IC50/ID50 test data for mixture.

### ACUTE TOXICITY -

**EYES:** Severe eye damage and irritation.

**SKIN:** Severe skin burns and blistering..

**INGESTION:** Causes severe burns and serious damage to mouth , throat and stomach.

**INHALATION:** May cause damage to respiratory system.

**CHRONIC - OTHER EFFECTS:** No reportable germ cell mutagens, skin sensitizers, respiratory sensitizers, reproductive toxins or aspiration hazards.

**SPECIFIC TARGET ORGANS:** N/A.

**NUMERICAL MEASURES OF TOXICITY:** ATEmix (ORAL-RAT) = above 1700 MG / KG

**CARCINOGENS:** No reportable ACGIH, IARC, NTP, or OSHA carcinogens.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY :** N/A  
**AQUA EXOTOXICITY:** N/A  
**PERSISTENCE/DEGRADABILITY:** N/A

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of contents in accordance with all Federal, State, and local applicable laws and regulations. Consult State and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility. Do not reuse empty container. Rinse empty container thoroughly with water before discarding container in accordance with current local community codes. Please recycle empty container whenever possible.

**14. TRANSPORT INFORMATION**

**DOT / IMDG / IATA / TDG:** UN1760, CORROSIVE LIQUID N.O.S (POTASIUUM HYDROXIDE) 8 PG II

**15. REGULATORY INFORMATION**

**EPA CERCLA RQ:** Potasium Hydroxide = 1000lb  
**EPA REGISTERED:** No  
**FDA REGULATED:** No  
**OSHA HAZARDOUS:** Yes  
**PHOSPHORUS CONTENT:** 0.00%  
**PROPOSITION 65:** No  
**SARA 311/312 HAZARDS:** Acute  
**SARA 313 CHEMICALS:** No  
**STATE RIGHT TO KNOW:** WATER/7732-18-5, POTASIUUM HYDROXIDE/1310-58-3, SODIUM SILICATE/1344-09-8, CHELATING AGENT/164462-16-2, DETERGENT POLYMER/68479-09-4.  
**TSCA INVENTORY STATUS:** All components are listed on the inventory.  
**VOC:** 7.5% Calculation method used is based on California ARB standard.

**16. OTHER INFORMATION**

**NFPA Rating:** Health-3/Flammability-0/Instability-1/Special Hazard-N.A.P  
**ABBREVIATIONS:** N/A = Not applicable

**NOTICE TO READER**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of it's subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.