

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

CMR PESTICIDE EQUIPMENT CLEANER

Common Name: Caustic equipment cleaner.

Chemical Description: Liquid caustic/detergent mixture.

TSCA/CAS No.: Not available.

Manufactured By

Creative Marketing & Research, Inc.

P. O. Box 35000

Fresno, CA 93745

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES: (559) 994-9144

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Potassium hydroxide	1310-58-3	9.0	N.A.*	1,000

* N.A. - Not Available.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear brown liquid with strong caustic odor. Corrosive to eyes and skin. Do not mix directly with strong acids or oxidizers. Contain any liquid runoff. D.O.T. regulated as corrosive liquid.

HEALTH: 3 REACTIVITY: 1 FLAMMABILITY: 0 ENVIRONMENT: 1

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes. Do not rub eyes. Get immediate medical attention.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.

Ingestion: If conscious and alert, administer water or milk for dilution. Follow with sodium bicarbonate, fruit juices or dilute vinegar to neutralize. Do not induce vomiting unless so advised by a physician. Contact physician or Poison Control Center immediately.

Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point: >200°F.
 Test Method: ASTM D-56
 LEL Flammable Limits: Not pertinent.
 UEL Flammable Limits: Not pertinent.
 Autoignition Temperature: Not pertinent.
 Flammability Classification: Does not burn.
 Known Hazardous Products of Combustion: None.
 Properties that Initiate/Contribute to Intensity of Fire: None.
 Potential For Dust Explosion: None.
 Reactions that Release Flammable Gases or Vapors: Not known.
 Potential For Release of Flammable Vapors: None.
 Unusual Fire & Explosion Hazards: None.
 Extinguishing Media: Does not burn.
 Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment: Prevent product spillage from entering drinking water supplies or streams.
 Clean Up: Collect liquid or absorb onto absorbent material and package for disposal.
 Evacuation: Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage: Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Keep away from strong acids and/or oxidizing agents. Take precautions to prevent container damage or puncture during transport and storage. Do not store near food or feeds. Do not stack pallets more than two (2) high.
 Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
 Work/Hygienic Practices: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with water after handling.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
 Skin: Impervious gloves and clothes.
 Respiratory: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
 Ventilation: Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Clear brown liquid.
Odor:	Strong caustic odor.
pH:	13.0
Vapor Pressure:	0.25 (psi)
Vapor Density (Air=1):	<1.0
Boiling Point:	105°C (221°F)
Freezing Point:	Not available.
Water Solubility:	Miscible.
Density:	9.63 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	None.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Avoid contact with strong acids or oxidizers.
Incompatibility:	Not available.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Severe irritant. Causes severe eye damage.
Skin:	Severe irritant. Causes severe skin irritation.
Ingestion:	May cause stomach cramps and/or nausea.
Inhalation:	None expected but aerosol mist may cause mild irritation of nasal mucous membranes.

Subchronic Effects: None known.Chronic Effects: None known.**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	None.
Toxicity to Fish and Invertebrates:	Non-toxic under normal use patterns.
Toxicity to Plants:	Non-toxic under normal use patterns.
Toxicity in Birds:	Non-toxic under normal use patterns.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION**PROPER SHIPPING DESCRIPTION:**

12/1 Quarts
4/1 Gallons

Corrosive Liquid, N.O.S. (Potassium Hydroxide), 8,
UN 1760, PG II, Ltd. Qty.
(Placards Not Required) ERG #154.

Other Shipping Information:

Cleaning, Scouring or Washing Compounds, Liquid.
(NMFC Item 48580 Sub 3, LTL Class 55)

SECTION 15. REGULATORY INFORMATION

CERCLA: Potassium hydroxide is listed as a priority pollutant under the Clean Water Act and, as such, falls under the CERCLA spill reporting requirements of 40 CFR 302.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.