

MSDS Material Safety Data Sheet

Wechem, Inc.



D-Clog

MSDS Number: SW40A

Revision Date: 1/14/08

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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Product Name: D-Clog
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2 HAZARDS IDENTIFICATION

Route of Entry: Skin absorption, ingestion
Target Organs: NA
Inhalation: Corrosive. Coughing, irritation, burns, tightness of chest and/or shortness of breath
Skin Contact: Corrosive. Causes irritation, pain and burning.
Eye Contact: Corrosive. Severe burns and permanent eye damage
Ingestion: Corrosive. Severe burns, nausea, diarrhea and or vomiting. May be fatal if swallowed.

HMIS II-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 1

HMIS III-ratings (scale 0-4): Health = 3, Fire = 0, Physical Hazard = 3

NFPA-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 1

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
1310732	Caustic Soda	20-30	NA	NA	D



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4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.
Skin Contact: Wash with soap and water. If irritated, seek medical attention.
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.
Ingestion: Do not induce vomiting. Drink two large glasses of milk or water. Get immediate medical attention.

5 FIRE FIGHTING MEASURES

Flash Point: None to boiling
Flash Point Method: NA
Burning Rate: ND
Autoignition Temperature: ND
LEL: ND
UEL: ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water
Special fire fighting procedures: None

Unusual Fire & Explosion Hazards: None

6 ACCIDENTAL RELEASE MEASURES

Absorb with suitable medium (sand, earth). Transfer liquid and solid materials to separate containers for disposal or reclaim. Flush area with large amounts of water.

7 HANDLING AND STORAGE

Handling Precautions: Warning: Corrosive liquid. Handle all containers carefully. Avoid contact with skin and eyes. Wash thoroughly after handling. Add slowly to water while mixing to minimize heat generation and splattering

Storage Requirements: Warning: Corrosive liquid. Handle all containers carefully. Store in tightly closed containers, in a cool dry area, away from incompatible materials. Do not store in aluminum containers or use aluminum fittings or transfer pipes, as flammable hydrogen gas may be generated. Keep out of reach of children.



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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: Local exhaust
Protective Equipment: HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron
HMIS PP, B | Goggles, Gloves
Skin: PVC or neoprene gloves and sleeves
Respiratory Protection: If the exposure limit is exceeded, a full facepiece respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.
Eye protection: Safety glasses/ goggles

Exposure Guidelines/Other: General: Wear protective clothing, including boots and apron made from PVC or neoprene to guard against splashing, Maintain eye wash fountain and quick drench safety shower in work area.
Hygienic work practices: Wash with soap and water before handling food.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid	Boiling Point:	~ 212 Deg. F
Physical State:	Liquid	Freezing/Melting Pt.:	NA
Odor:	No distinct odor	Solubility:	Complete
pH:	> 13	Spec Grav./Density:	(H2O=1): 1.22 +/- 0.05
Vapor Pressure:	ND		
Vapor Density:	(Air=1): ND		
Heat Value:	NA		
VOC:	None		
Evap. Rate:	~ Same as water		
Bulk Density:	NA		
Octanol:	NA		
Molecular Weight:	NA		
Particle Size:	NA		
Softening Point:	NA		
Viscosity:	NA		
Percent Volatile:	> 75		
Sat. Vap. Concentrat.:	NA		
Molecular Formula:	NA		

10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Excessive heat or freezing conditions

Materials to avoid (incompatibility): Strong oxidizers, acids, halogenated compounds, prolonged contact with Aluminum, Brass, Copper, Bronze, Lead, Tin, Zinc and other alkali sensitive metals.

Hazardous Decomposition products: Carbon Dioxide, Carbon Monoxide

Hazardous Polymerization: Will not occur



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11 TOXICOLOGICAL INFORMATION

Sodium Hydroxide: 1350 mg/kg Dermal-Rabbit LD50, 220 mg/kg (50% solution) Oral Rat LD50. This material is a strong irritant and is corrosive to skin, eyes and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact

12 ECOLOGICAL INFORMATION

This material has exhibited moderate toxicity to aquatic organisms. 100 ppm LC50 Daphnia, 25 ppm 24 hours LC50 Brook trout, 48 ppm LC50 King salmon; 33-100 ppm 48 hours LC50 Shrimp; 330-1000 ppm 48 hours LC50 Cockle. This product is biodegradable and is not expected to bioaccumulate.

13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.

14 TRANSPORT INFORMATION

Consumer Commodity, Orm-D

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Caustic soda, etc., see Sodium hydroxide, etc. (1310732 20-30%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined

END OF MSDS DOCUMENT