



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: CAUSTIC FOAM CLEANER
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MSDS Date: February 3, 2004
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: Caustic Foam Cleaner

CHEMICAL NAME:

CHEMICAL FAMILY:

DOT SHIPPING INFORMATION: Corrosive Liquids, n.o.s. (contains Sodium Hydroxide), 8, UN
1760, PG II

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w. %	EXPOSURE LIMITS IN AIR
Sodium hydroxide	001310-73-2	25+-5	TLV: 2 mg/m ³ (solid) (TWA) PEL: 2 mg/m ³ (solid) (TWA)

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - PHYSICAL DATA

BOILING POINT (F): Greater than 100^o C

SPECIFIC GRAVITY: Approximately 1,301 @
20^o C

VAPOR PRESSURE (mm Hg): 13 mm Hg @ 60^o F

% VOLATILE: Approximately 66

VAPOR DENSITY (air = 1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR: Clear, dark brown, slight odor characteristic

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: N/A

FLAMMABLE LIMITS: Lel: N/A Uel: N/A

EXTINGUISHING MEDIA: Water, foam, CO₂, or dry chemicals

SPECIAL FIRE-FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION V - REACTIVITY DATA

STABILITY: Stable



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HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS OR MATERIALS TO AVOID: Avoid acids, strong oxidizers, aluminum, magnesium, tin and Zinc

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, it emits toxic oxides of carbon Sulfur, phosphorus and sodium.

SECTION VI - HEALTH HAZARD DATA

Carcinogenic Listing:

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Eye Contact: Can cause severe irritation and/or burns, with symptoms of tearing, redness, swelling and pain. Corneal damage with impairment of vision may result.

Skin Contact: Can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged exposure to liquid may cause destruction of the dermis with impairment of the skin, at site of contact, to regenerate.

Inhalation: Can be irritating or corrosive to the nose, mouth, throat and lungs. Exposure may cause Burns to the respiratory tract with the production of lung edema.

Ingestion: Can cause severe irritation and/or burns to the entire gastrointestinal tract.

STATEMENT OF PRACTICAL TREATMENT:

Contact: Immediately flush with large plenty of clean running water for at least 15 minutes and get medical attention at once.

Inhalation: Get to fresh air immediately. If not breathing, give artificial respiration, using the Holger Nielsen method (back pressure-arm lift). Get medical attention.

Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person.

SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Avoid all contact with skin or eyes. Do not take internally. Do not breathe dust. Always wear safety equipment. Keep containers closed when not in use.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Wear dust mask and safety equipment. Sweep up material and put into drums. Flush residue to sewer with large amounts of water.



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WASTE DISPOSAL METHOD:

A waste solution of this product is an EPA "characteristic" waste (D002) and must be disposed of at an approved EPA hazardous waste disposal facility. The dry waste product may be regulated by the EPA. Check with local EPA office for further information. Comply with all local, state and federal regulations.

OTHER PRECAUTIONS: None.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: For exposure above the ACGIH TLV or OSHA PEL, wear a NIOSH-approved full facepiece or half mask air-purifying cartridge respirator equipped with a good particulate filter cartridge or supplied air.

VENTILATION: Should be used as needed to keep particulate level below the TLV of 2 mg/m³.

EYE PROTECTION: Goggles.

SKIN PROTECTION: Neoprene, nitrile or rubber gloves.

OTHER PROTECTIVE EQUIPMENT:

Rubber boots, long sleeves and any other covering necessary to prevent contact of the material with skin or eyes.

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hours

STEL = Short Term Exposure Limit (ACGIH)

ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.