

ALKI-FOAM (revised July 2004)
Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: ALKI-FOAM

CAT. NO.: AKF 1, AKF 5, AKF 55

MANUFACTURED BY:
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SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

EXPOSURE LIMITS: 8 HR. TWA
OSHA PEL **ACGIH TLV**

Sodium Hydroxide (CAS# 1310-73-2)

CL 2 mg/m³

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SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW: DANGER! Corrosive to all body tissues. Avoid contact with skin or eyes. Harmful if inhaled or swallowed.

POTENTIAL HEALTH EFFECTS:

INHALATION: Inhalation of vapor or mist is corrosive to respiratory tract.

EYE CONTACT: Liquid or vapors are corrosive to eyes.

SKIN CONTACT: Liquid or vapors are corrosive to skin.

INGESTION: Toxic. May cause severe damage, perforation, and scarring of gastrointestinal tract.

CHRONIC Effects: Chemical pneumonitis.

NOTE:

CARCINOGENICITY: LISTED IN NTP? No

IARC? No

OSHA Regulated? No

SECTION IV - FIRST AID MEASURES

INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.

EYE CONTACT: Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.

SKIN CONTACT: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.

INGESTION: Do NOT induce vomiting, get immediate medical attention.

SECTION V - FIRE FIGHTING MEASURES

FLASHPOINT (TEST METHOD): None

FLAMMABLE LIMITS: **LOWER:** NA

UPPER: NA

AUTOIGNITION TEMPERATURE: NA

GENERAL HAZARD: Toxic fumes of Na₂O, SO_x

FIRE FIGHTING INSTRUCTIONS: Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side. Firefighters wear protective clothing and self contained breathing apparatus.

EXTINGUISHING MEDIA: Dry powder, carbon dioxide (CO₂), water fog or spray.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, toxic fumes of Na₂O, CO, CO₂, SO_x.

SECTION VI - ACCIDENTAL RELEASE MEASURES

LAND SPILL: Flush to sewer with large amounts of water, at least 10 parts water to 1 part cleaner. **LARGE SPILLS:** Pick up with absorbent media, vacuum truck or pump. Place in non-leaking containers for proper disposal or salvage. Notify proper local, state and federal authorities.

WATER SPILL: Notify proper authorities.

Clean up leaks/spills immediately to prevent soil or water contamination.

SECTION VII - HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section IV. Launder contaminated clothing before reuse.

STORAGE: Store away from strong acid, acidic materials.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust recommended.

PERSONAL PROTECTION: Wear chemical impervious gloves and full face shield. Use boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE: ND
SPECIFIC GRAVITY: 1.2
SOLUBILITY IN WATER: Complete

pH: 13.5 - 14.0

BOILING POINT: 212 F

APPEARANCE & ODOR: Purple foam, bland odor

VAPOR DENSITY (Air=1):>1
EVAPORATION RATE (N-BUTYL ACETATE=1):<1
VOC (G/L): NA
FREEZING POINT: ND

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: High temperatures.

MATERIALS TO AVOID: Strong acids, acidic materials.

HAZARDOUS DECOMPOSITION PRODUCTS: From combustion: smoke, carbon monoxide, carbon dioxide, oxides of sulfur, Na₂O.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Sodium hydroxide	LDLo:	500 mg/kg		(oral - rat)
		50 g/24 hr	SEV	(eye - rabbit)
		500 mg/24 hr	SEV	(skin - rabbit)

SECTION XII - ECOLOGICAL INFORMATION

Sodium hydroxide	125 ppm / 96 hr / mosquito fish / TLm / fresh water
	180 ppm / 23 hr / oysters / lethal / salt water

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose as hazardous waste. Classification and documentation is required before disposal. Follow all local, state and federal regulations.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Sodium hydroxide solution

HAZARD CLASS: 8

IDENTIFICATION NUMBER: UN 1824

DOT Emergency Guide #: 154

Reportable Quantity (RQ): Not applicable

International: Sodium hydroxide solution, 8, UN 1824, PG II

SECTION XV - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): The reportable quantity is 1000 pounds (sodium hydroxide).
Contact local authorities for other reporting requirements.

SARA TITLE III (Superfund Amendments and Reauthorization Act): No components are listed.

CALIFORNIA PROPOSITION 65: Not listed.

SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: MA, NJ, PA

NFPA Ratings

Health: 3

Flammability: 0

Reactivity: 1

HMIS Protective Equipment: X See your supervisor

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