

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S 29 CFR 1910, 1200 AND STATE HAZARD COMMUNICATION STANDARD

A BRITE COMPANY
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24 HOUR EMERGENCY PHONE NUMBER 1-800-424-9300 (CHEMTREC)

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: ALUMA ETCH 188
GENERAL OR GENERIC ID: Alkaline Cleaning Compound, Liquid Mixture
DATE PREPARED: 6/27/91
LATEST REVISION DATE: 2/10/97
NFPA/HMIS HAZARD CODES
(minimal=0; slight=1; moderate=2; serious=3; severe=4)
HEALTH: 1/1 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: NA

SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% /WT
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This product does not contain any material listed as toxic chemicals as defined by the requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III-Section 313, nor does it contain any hazardous materials as defined by the requirements of OSHA's Hazard Communication Standard (29 CFR 1910.1200).

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: > 212°F	SPECIFIC GRAVITY: 1.1
VAPOR PRESSURE: 760mm (110°F)	PERCENT VOLATILE: <60
VAPOR DENSITY: >1	EVAPORATION RATE: As water
SOLUBILITY IN WATER: complete	
APPEARANCE AND COLOR: Clear to amber liquid with no odor.	

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: not flammable **FLAMMABLE LIMITS:** N/A
EXTINGUISHING MEDIA: Water fog, carbon dioxide, alcohol foam, dry chemical and Halon.
SPECIAL FIRE FIGHTING PROCEDURES: Pressure demand, self contained respiratory protection and protective clothing should be worn by firefighters.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Non combustible material, product may burn if exposed to extreme heat.

SECTION 5: REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur
INCOMPATIBILITY: Acids, strong oxidizing agents such as chromium and peroxides. Flammable liquids, organic halogens, nitromethane or nitro compounds.
CONDITIONS TO AVOID: Splashing or dropping of water or strong acids on product. Spilling of product on chromium bearing compounds.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and or carbon monoxide or hydrogen gas may evolve.

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:

ACUTE: Irritating to eyes and skin, concentrated solutions may irritate tissue on contact.

INGESTION: Harmful if swallowed. Can cause irritation of mucous membranes to the mouth, throat, esophagus and stomach if swallowed.

INHALATION: Mist or dust at high levels may cause irritation to the nose, throat and lungs. May cause damage to the upper respiratory tract.

CHRONIC EFFECTS: None known

CARCINOGENS: None under OSHA, IARC or NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush with plenty of water for 15 minutes. See a physician.

SKIN: Wash with soap and water. Remove contaminated clothing. See a physician if irritation occurs.

INHALATION: Remove to fresh air. If breathing has stopped start artificial respiration. See a physician.

INGESTION: Call a physician immediately, **DO NOT INDUCE VOMITING DILUTE BY DRINKING WATER (MILK IF AVAILABLE) NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.**

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES:

SMALL SPILLS: Flush to treatment system with large amounts of water.

LARGE SPILLS: Sweep up into suitable containers. Keep out of fish bearing waters.

WASTE DISPOSAL METHOD: Dump to waste water treatment system, observe local, state and federal regulations..

SECTION 8: TRANSPORTATION AND LABELING

REGULATORY INFORMATION:

DOT HAZARD CLASS: None

SHIPPING NAME: None

ID NUMBER: None

PACKING GROUP: None

LABELS: None

TSCA: All components included in the inventory.

SECTION 9: HANDLING AND STORAGE

HANDLING AND STORING: Keep container closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children. Store in proper chemical storage area.

If water pollution occurs, notify the proper authorities.

SECTION 10: CONTROL MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved respiratory equipment for dust and mist.

VENTILATION: Local exhaust to maintain air contamination.

GLOVES: Rubber gloves, neoprene, or synthetic rubber required.

EYE PROTECTION: Safety glasses or goggles required.

OTHER PROTECTIVE EQUIPMENT: As needed to prevent prolonged or repeated skin contact. Eye wash fountain and safety shower in work area.

WORK /HYGIENIC PRACTICES: Launder contaminated clothing before reuse.

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