

MATERIAL SAFETY DATA SHEET

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

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

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: ALKLEEN 101
GENERAL OR GENERIC ID: Alkaline Cleaning Compound
DATE PREPARED: 3/9/91
LATEST REVISION DATE: 2/5/97
NFPA/HMIS HAZARD CODES
(minimal=0; slight=1; moderate=2; serious=3; severe=4)
HEALTH: 1/1 FIRE: 0/0 REACTIVITY: 1/1 SPECIAL: NA

SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% /WT
Sodium Borate	1303-96-4	5 mg/m ³	5 mg/m ³	ND	<55
Sodium Dodecylbenzene Sulfonate	25155-30-0	N/A	N/A	N/A	<3

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >212°F
VAPOR PRESSURE: N/A
VAPOR DENSITY: ND
SOLUBILITY IN WATER: 120 gms/l
APPEARANCE AND COLOR: Off white to light tan granular powder with musty soap odor.

SPECIFIC GRAVITY: N/A
PERCENT VOLATILE: 0
EVAPORATION RATE: As water

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: not flammable
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 in areas where chemical products are stored.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Non combustible material, liquid form in contact with metals such as zinc, aluminum, tin or alloys of these metals can generate explosive hydrogen gas.

SECTION 5: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY: Strong acids, strong reducing agents, strong oxidizers such as chromic acid, nitrates and perchlorates.
CONDITIONS TO AVOID: Strong acid materials or strong reducing agents and oxidizers. Avoid splashing of these materials on this product.
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with the above materials could produce irritating gasses, oxides of nitrogen, oxygen or hydrogen.

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: Irritating to eyes and skin, concentrated solutions can defat skin and cause dermatitis.
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 below TLV limit.
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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