

MATERIAL SAFETY DATA SHEET

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

A BRITE COMPANY
3217 WOOD DRIVE
GARLAND, TEXAS 75041
214-291-0400

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

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: Aikleen 108 LF
GENERAL OR GENERIC ID: Cleaning Compound, Acid Mixture
DATE PREPARED: 9/02/05
LATEST REVISION DATE: 2/12/07
NFPA/HMIS HAZARD CODES
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
HEALTH: 3/3 FIRE: 0/0 REACTIVITY: 1/1 SPECIAL: F

SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% /WT
*Phosphoric Acid	7664-34-2	1 mg/m ³	1 mg/m ³	N/A	58
Fluorboric Acid	16872-11-0	2.5mg/m ³	2.5mg/m ³	500mg/m ³	5
2-Butoxy Ethanol	111-76-2	240mg/m ³	120mg/m ³	700 ppm	1
Water	N/A	N/A	N/A	N/A	36

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
VAPOR PRESSURE: 760 mm
VAPOR DENSITY: <1
SOLUBILITY IN WATER: complete
APPEARANCE AND COLOR: Light yellow to clear liquid with slight acidic smell.

SPECIFIC GRAVITY: 1.22
PERCENT VOLATILE: 35%
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
INCOMPATIBILITY: Alkalis, white metals such as zinc, aluminum, tin, copper and alloys of these materials. Combustible organics, oxidizable matter, hydrogen sulfide, chromic acid and sodium peroxide.
CONDITIONS TO AVOID: Splashing or dropping strong alkalis on product. Spilling of product on metals or strong alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, fluorine or hydrogen gas could evolve.

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: Corrosive to eyes and skin, concentrated solutions can destroy tissue on contact. Can cause blindness.
INGESTION: Harmful if swallowed. Can cause severe burns and complete perforation 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 into suitable containers. Keep out of fish bearing waters.
WASTE DISPOSAL METHOD: Dump to waste water treatment system, observe local, state and federal regulations. Product is hazardous waste, EPA Code (c,R), EPA Hazardous Waste Numbers D002, due to pH.

SECTION 8: TRANSPORTATION AND LABELING

REGULATORY INFORMATION:
DOT HAZARD CLASS: 8
SHIPPING NAME: Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric Acid)
ID NUMBER: UN 3264
PACKING GROUP: II
LABELS: 8
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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