

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: Steelcote 597
GENERAL OR GENERIC ID: Acid Mixture
DATE PREPARED: 5/18/04
LATEST REVISION DATE: 5/18/04
NFPA/HMIS HAZARD CODES
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
HEALTH: 2/2 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: H

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	1mg/m ³	ND	20
Ammonium Bifluoride	1341-49-7	2.5mg/m ³	2.5mg/m ³	ND	<2
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	250mg/m ³	<10
Sodium Chlorate	7775-09-9	5 mg/m ³	10 mg/m ³	N/A	<10

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: Negligible
SOLUBILITY IN WATER: complete
APPEARANCE AND COLOR: Clear liquid with no odor.

SPECIFIC GRAVITY: 1.19
PERCENT VOLATILE: N/A
EVAPORATION RATE: N/A
pH (1% Solution): 3.4

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.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May have oxidizing properties; therefore, fire risk on contact with combustible materials.

SECTION 5: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY: Alkalis, combustibles, reducing agents.
CONDITIONS TO AVOID: Under normal conditions product is stable.
HAZARDOUS DECOMPOSITION PRODUCTS: If subjected to intense heat, may release toxic and hazardous fumes of sodium oxide, carbon monoxide, carbon dioxide and phosphorous oxides.

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 tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach if swallowed.
INHALATION: Mist or dust may cause irritation to nose, throat and lungs. May cause damage to the upper respiratory tract or lungs.
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 Hazard Code (c,R) EPA Hazardous Waste Number 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.

THE INFORMATION WAS COMPILED FROM CURRENT, RELIABLE SOURCES AND IS BELIEVED TO BE CORRECT. AS DATA, AND OR REGULATIONS CHANGE, AND CONDITION OF USE AND HANDLING ARE BEYOND OUR CONTROL, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION. SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO BUYER OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY AND BUYER ASSUMES ALL SUCH RISKS.