

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: StanoBrite Tin Concentrate
GENERAL OR GENERIC ID: Tin Plating Bath Additive
DATE PREPARED: 9/15/05
LATEST REVISION DATE: 11/28/06
NFPA/HMIS HAZARD CODES
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
HEALTH: 2/2 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: NA

SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	OSHA	ACGIH	IDLH	% /WT
		PEL	TLV	LEVEL	
Stannous Sulfate	7488-55-3	2 mg/m ³	2 mg/m ³	N/A	20-30
Sulfuric Acid	7664-93-8	1 mg/m ³	1 mg/m ³	N/A	0-3

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F SPECIFIC GRAVITY: 1.17-1.35
VAPOR PRESSURE: 240mm @25°C PERCENT VOLATILE: <90
VAPOR DENSITY: >1 EVAPORATION RATE: slower
SOLUBILITY IN WATER: complete than water
APPEARANCE AND COLOR: Clear to yellow slightly turbid 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: May decompose to sulfur dioxide at temperatures exceeding 360°C.

SECTION 5: REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY: Alkaline materials and strong caustics.
CONDITIONS TO AVOID: Avoid contact with strong caustic materials and solutions.
HAZARDOUS DECOMPOSITION PRODUCTS: May decompose to sulfur dioxide at temperatures exceeding 360°C.

SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:
ACUTE: Causes severe burns to eyes and skin with possible permanent damage.
INGESTION: Harmful if swallowed. May cause severe burns to lips, mouth, tongue, esophagus and stomach.
INHALATION: Mist or dust at high levels may cause irritation to 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: Contain spill, 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.

SECTION 8: TRANSPORTATION AND LABELING

REGULATORY INFORMATION:
DOT HAZARD CLASS: 8
SHIPPING NAME: Corrosive liquid, acidic, inorganic, n.o.s. (Stannous Sulfate, Sulfuric Acid)
PACKING GROUP: UN 3264
ID NUMBER: PG 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 away alkali and cyanide. Store away from high heat and open flame or sparks.
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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