

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: StanoBrite Tin Plus 201
GENERAL OR GENERIC ID: Tin Lead Plating Bath Additive
DATE PREPARED: 11/11/99
LATEST REVISION DATE: 11/11/99
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 PEL	ACGIH TLV	IDLH LEVEL	% IWT
Methane Sulfonic Acid	75-75-2	N/A	N/A	N/A	70

*= Reportable under SARA Title III

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F **SPECIFIC GRAVITY:** 1.34-1.36
VAPOR PRESSURE: 3 mmHg @20°C **PERCENT VOLATILE:** Non Volatile
VAPOR DENSITY: 3.3 **EVAPORATION RATE:** N/A
SOLUBILITY IN WATER: complete
APPEARANCE AND COLOR: Off white liquid with slight sulfur oxide 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: Corrosive fumes and vapors may develop if product is exposed to elevated temperatures.

SECTION 5: REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur
INCOMPATIBILITY: Strong alkalis, water reactive materials, cyanides.
CONDITIONS TO AVOID: Excessive heat
HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur Dioxide, Sulfur Trioxide, Carbon Monoxide and Carbon Dioxide.

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: May cause scarring and burning of the lips, mouth, tongue, esophagus and stomach. May cause perforation of these passages.
INHALATION: Can cause severe irritation of mouth, nose, throat and respiratory tract. Overexposure may cause pulmonary edema.
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 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:
SHIPPING NAME: Corrosive liquid, acidic, organic, n.o.s. (Methane Sulfonic Acid)
DOT HAZARD CLASS: 8
ID NUMBER: UN 3265
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 away from 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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