

# MATERIAL SAFETY DATA SHEET

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



3217 Wood Drive • Garland, Texas 75041 • Toll Free: 1-888-8A BRITE  
Fax: 214-291-0300 • www.abrite.com

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

## SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: StanoBrite Tin Plus 208  
GENERAL OR GENERIC ID: Tin Lead plating bath additive  
DATE PREPARED: 9/15/05  
LATEST REVISION DATE: 8/21/07  
NFPA/HMIS HAZARD CODES  
(minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)  
HEALTH: 2/2 FIRE: 3/3 REACTIVITY: 0/0 SPECIAL: D

## SECTION 2: HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	IDLH LEVEL	% WT
Isopropanol	67-63-0	400 ppm	500 ppm	N/A	<20

\*= Reportable under SARA Title III

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING POINT:** 180°F  
**VAPOR PRESSURE:** N/D  
**VAPOR DENSITY:** N/D  
**SOLUBILITY IN WATER:** complete  
**APPEARANCE AND COLOR:** Yellowish brown liquid with slight alcohol odor

**SPECIFIC GRAVITY:** 0.98-0.99  
**PERCENT VOLATILE:** N/D  
**EVAPORATION RATE:** N/D

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** >160°F  
**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 emit irritating fumes upon thermal decomposition.

## SECTION 5: REACTIVITY DATA

**STABILITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**INCOMPATIBILITY:** None known  
**CONDITIONS TO AVOID:** Keep away from open flames, sparks and other ignition sources.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** May emit irritating fumes upon thermal decomposition.

## SECTION 6: HEALTH HAZARD DATA

**ROUTES OF ENTRY /SIGNS AND SYMPTOMS OF EXPOSURE:**  
**ACUTE:** Irritating to eyes and skin.  
**INGESTION:** Industrial chemicals are not to be taken internally. Irritating to mucous membranes.  
**INHALATION:** Irritating to mucous membranes.  
**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:** 3  
**SHIPPING NAME:** Alcohols, n.o.s. (Isopropanol)  
**ID NUMBER:** UN 1987  
**Packing Group:** II  
**LABELS:** 3  
**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. Keep product from freezing.  
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.