

LTS Research Laboratories, Inc. Safety Data Sheet Tin Oxide

	1. Product and Company Identification
Trade Name:	Tin oxide
Chemical Formula:	SnO
Recommended Use:	Scientific research and development
Manufacturer/Supplier:	LTS Research Laboratories, Inc.
Street:	37 Ramland Road
City:	Orangeburg
State:	New York
Zip Code:	10962
Country:	USA
Tel #:	855-587-2436 / 855-lts-chem
24-Hour Emergency Contact:	800-424-9300 (US & Canada)
	+1-703-527-3887 (International)
	2. Hazards Identification
	Warning
Hazard Statements:	H302: Harmful if swallowed
Precautionary Statements:	P264: Wash thoroughly after handling
recautionary statements.	P270: Do not eat, drink or smoke when using this product
	P301+P312: IF SWALLOWED: Call a POISON CENTER or
	doctor/physician if you feel unwell
	doctor/physician if you feel unwell P330: Rinse mouth
	doctor/physician if you feel unwell
HMIS Health Ratings (0-4):	doctor/physician if you feel unwell P330: Rinse mouth P501: Dispose of contents/container in accordance with
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Health: Flammability:	doctor/physician if you feel unwell P330: Rinse mouth P501: Dispose of contents/container in accordance with local/regional/national/international regulations 2 0
Health: Flammability: Physical:	doctor/physician if you feel unwell P330: Rinse mouth P501: Dispose of contents/container in accordance with local/regional/national/international regulations 2 0 1 3. Composition Ceramic
Health: Flammability: Physical: Chemical Family:	doctor/physician if you feel unwell P330: Rinse mouth P501: Dispose of contents/container in accordance with local/regional/national/international regulations 2 0 1 3. Composition
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	4. First Aid Procedures
General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	None
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.
Ingestion:	Seek Medical Attention.
Skin:	Wash affected area with mild soap and water. Remove any
	contaminated clothing.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove
	contact lenses if present and easy to do. Continue rinsing
	5. Firefighting Measures
Flammability:	Non-flammable
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for
	surrounding material and type of fire.
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective
	clothing to prevent contact with skin and eyes. See section 10 for
	decomposition products.
	6. Accidental Release Measures
f Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in
-	special protection information. Isolate spill area and provide
	ventilation. Vacuum up spill using a high efficiency particulate
	absolute (HEPA) air filter and place in a closed container for disposa
	Take care not to raise dust.
Environmental Precautions:	Isolate runoff to prevent environmental pollution.
	7. Handling and Storage
Handling Conditions:	Wash thoroughly after handling.
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from
Storage Conditions.	materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
work/rrygienie Waintenance.	eating and smoking. Do not blow dust off clothing or skin with
	compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below
ventilation.	threshold limit.
8.	Exposure Controls and Personal Protection
Permissible Exposure Limits:	N/A
Threshold Limit Value:	2 mg/m ³ as Sn, long-term value
Special Equipment:	None
Respiratory Protection:	Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a
	backup to engineering controls. Risk assessment should be performed
	to determine if purifying respirators are appropriate. Only use
	equipment tested and approved under appropriate government
	standards.
Protective Gloves:	Nitrile rubber, NBR 0.11mm thick.
	Nitrile rubber, NBR 0.11mm thick. Safety glasses or goggles
Protective Gloves: Eye Protection: Body Protection:	

Form: Developmentation Products: Powder, Granules, Pellets, Sputtering target, Custom pa Odor: Odorless Water Solubility: Insoluble Boiling Point: N/A Melting Point: 1080 °C Flash Point: N/A Autoignition Temperature: N/A Density: 6.45 g/cc Molecular weight: 134.71 g/mol 10. Reactivity Stability: Stable under recommended storage conditions Reacts With: Oxidizing agents Incompatible Conditions: None Hazardous Decomposition Products: Metal oxide fume 11. Toxicological Information Potential Health Effects: Eyes: May cause irritation Skin: May cause irritation Ingestion: May cause irritation Chronic: N/A Signs & Symptoms: Aggravated Medical Conditions: N/A Metal Dose: 775 mg/kg for rat by mouth Carcinogen: N/A 12. Ecological Information	9. P	Physical and Chemical Characteristics
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A sustia Taniaitan I an		12. Ecological Information
Aquatic Toxicity: Low	Aquatic Toxicity:	Low
	Persistent Bioaccumulation Toxicity:	
	Very Persistent, Very Bioaccumulative:	
	Notes:	
13. Disposal Considerations		13. Disposal Considerations
Dispose of in accordance with local, state, national, and international regulations.	Dispose of in accordance with local_state	national and international regulations

14. Transportation Data		
Hazardous:	Not hazardous for transportation.	
Hazard Class:	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	

	15. Regulatory Information	
Sec 302 Extremely Hazardous:	No	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	No	

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

07/15/2015

