

LTS Research Laboratories, Inc. Safety Data Sheet Tin Chloride Hydrate

1. Product and Company Identification Trade Name: Tin Chloride Hydrate Chemical Formula: SnCl₄.5H₂O Recommended Use: Scientific research and development Manufacturer/Supplier: LTS Research Laboratories, Inc. Street: 37 Ramland Road City: Orangeburg State: New York 10962 Zip Code: Country: **USA** 855-587-2436 / 855-lts-chem Tel #: 24-Hour Emergency Contact: 800-424-9300 (US & Canada) +1-703-527-3887 (International) 2. Hazards Identification Signal Word: Danger atorias, inc. Hazard Statements: H314: Causes severe skin burns and eye damage H335: May cause respiratory irritation H401: Toxic to aquatic life H412: Harmful to aquatic life with long lasting effects P260: Do not breathe dust/fume/gas/mist/vapors/spray **Precautionary Statements:** P264: Wash face, hands and any exposed skin thoroughly after handling P273: Avoid release to the environment P280: Wear protective gloves/protective clothing/eye protection/face protection P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing. Immediately call a POISON CENTER or doctor/physician P363: Wash contaminated clothing before reuse P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations

HMIS Health Ratings (0-4):	
Health:	3
Flammability:	0
Physical:	0
	3. Composition
Chemical Family:	Inorganic Salt
Additional Names:	Stannic chloride, hydrated
Tin Chloride Hydrate (SnCl ₄ .5H ₂ O):	
Percentage:	100 wt%
CAS #:	10026-06-9
EC #:	N/A
	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:	Give one to two glasses of water and induce vomiting. Never induce
G1 :	vomiting or give anything by mouth to an unconscious person.
Skin:	Wash affected area with mild soap and water. Remove any
Even	contaminated clothing.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
	contact lenses in present and easy to do. Continue missing
	5. Firefighting Measures
	Non-flammable, except as powder
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for
Examplement incolu.	surrounding material and type of fire. Do not use water for metal fires -
	use CO ₂ , sand, extinguishing powder.
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
If 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 disposal.
	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 materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
	eating and smoking. Do not blow dust off clothing or skin with compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.
8. Ex	xposure Controls and Personal Protection
Permissible Exposure Limits:	2 mg/m ³ as SnCl ₄ .5H ₂ O, long-term value
Threshold Limit Value:	2 mg/m^3 as SnCl ₄ .5H ₂ O, long-term value
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber gloves
Eye Protection:	Safety glasses or goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long
	sleeves/pants.
9.	Physical and Chemical Characteristics
Color	White
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor:	Pungent
Water Solubility:	Soluble Research
Boiling Point: Melting Point:	N/A 56 °C
Flash Point:	N/A
Autoignition Temperature:	N/A N/A
Density:	2.04 g/cc
Molecular weight:	350.57 g/mol
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions:	Moist air, Water
Hazardous Decomposition Products:	Metal oxide fume, Tin/Tin Oxides, Hydrogen Chloride Gas
	11. Toxicological Information
Potential Health Effects:	
Eyes:	Causes serious eye damage
Skin:	Causes severe skin burns
Ingestion:	May cause irritation
Inhalation: Chronic:	May cause irritation N/A
Chronic.	
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	Ingestion causes severe swelling, severe damage to the delicate tissue
	and danger of perforation
Median Lethal Dose:	120 mg/kg for rat by mouth

	12. Ecological Information
Aquatic Toxicity: Persistent Bioaccumulation Toxicity: Very Persistent, Very Bioaccumulative: Notes:	Low No N/A
	13. Disposal Considerations
Dispose of in accordance with local, state, r	national, and international regulations.
	14. Transportation Data
Hazardous:	Hazardous For Transportation
	CORROSIVE 8
Hazard Class:	8. Corrosive Substances
Packing Group:	PGIII
UN Number: Proper Shipping Name:	UN2440 Stannic chloride pentahydrate
	15. Regulatory Information
Sec 302 Extremely Hazardous: Sec 304 Reportable Quantities: Sec 313 Toxic Chemicals:	No N/A N/A
	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.

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