


MATERIAL SAFETY DATA SHEET

5100 W. Henrietta Rd.
West Henrietta, NY 14586
TEL: (866) 260-0501

MSDS No. 9708902
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Tin (IV) Chloride	416-984-3000  HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4	Health	2	
Chemical Synonyms	Stannic Chloride; Tin Tetrachloride		Flammability	0	
Formula	SnCl ₄ ·5H ₂ O	Reactivity	0	WHMIS	
CAS No.	10026-06-9				

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Stannic chloride, pentahydrate	100 %	N/A
DANGER! CORROSIVE!		

SECTION III PHYSICAL DATA

Melting Point (°C)	53-56°C	Specific Gravity (H ₂ O = 1)	2.04
Boiling Point (°C)	114°C	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Soluble in water.		
Appearance & Odor	White crystals; pungent odor (strong).		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG Class 8 Corrosive solid. UN2440

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Printed on recycled paper.

#10 Ca 2

SECTION V REACTIVITY DATA SS0932

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	Acids, bases, oxidizing materials, reducing agents.
	No		

Hazardous Decomposition Products: These products are carbon oxides, tin oxides and hydrogen chloride gas.

Reactive under what conditions: May react in presence of moisture.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Ingestion. Inhalation.
TLV	TWA: 2 CEIL: 4 (mg/m ³) (Sn)
Toxicity for animals	N/A
Chronic effects on humans	Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Target organs: Kidneys, liver, brain.
Acute effects on humans	Corrosive to the skin and eyes. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastrointestinal or respiratory tract. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room.
Precautions	Keep container dry. Do not breathe dust. Never add water to this product. Do not ingest. If ingested, seek immediate medical attention.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Splash goggles. Synthetic apron. Vapor and dust respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures
 Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No. 4 Date December 1, 2005 Approved Michael Raszeja