

# MATERIAL SAFETY DATA SHEET

Stannic Chloride 10% Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Stannic Chloride 10% Solution

Product Code: 290-04-2

Material Uses:  
Manufacturer: OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886

Entry Date : 5/12/2010

Print Date: 8/2/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	2			
Flammability:	0			
Reactivity:	1			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

## SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: Danger! Corrosive. Causes Burns To Any Area Of Contact. Harmful If Swallowed Or Inhaled. Inhalation May Cause Lung Damage. Danger! Hydrochloric acid liberated upon contact with moisture or heat.

Inhalation: Inhalation produces damaging effects on the mucous membranes and upper respiratory tract. Symptoms may include irritation of the nose and throat, and labored breathing. May cause lung edema.

Ingestion: Corrosive! Swallowing Stannic Chloride solution can cause severe burns of the mouth, throat, and stomach leading to death. Can cause sore throat, vomiting, and diarrhea. Circulatory collapse with clammy skin, weak and rapid pulse, shallow respirations, and scanty urine may follow ingestion or skin contact. Circulatory shock is often the immediate cause of death.

Skin: Corrosive! Can cause redness, pain, and severe burns.

Eye Contact: Corrosive! Causes Irritation to Eyes, and with Greater Exposures, Severe Buns with Possibly Blindness Resulting.

Chronic Exposure: Long-term exposure to mist or vapors may result in benign pneumoconiosis.

Aggravated by Exposure: No information found.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Stannic Chloride Pentahydrate	CAS# 10026-06-9	10%	W/V	OSHA TWA 2 mg(Sn)/m <sup>3</sup>
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

## Stannic Chloride 10% Solution

Causes severe irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

If swallowed give large quantities of water and get medical attention immediately.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Dry chemical foam or carbon dioxide.  
Water may be used to keep exposed containers cool.

Fire / Explosion Hazards: Slight fire hazard by chemical reactions.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law. Neutralize with soda ash or lime then absorb onto clay, vermiculite or other inert substance.

Ventilate area of Leak or Spill. Keep Unnecessary and Unprotected People away from the area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Neutralize with alkaline material (Soda Ash, lime) then Absorb Neutralized Residue on Clay, Vermiculite or other Inert Substance and Package in Suitable Container for Disposal. US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities. Do Not Flush to Sewer!

### SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Protect from physical damage and freezing. Do not reuse containers. Store away from acids and alkalis.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Information not available	Percent Volatile by Volume:	~ 90%
Boiling Point:	Information	Evaporation Rate	Information not

Stannic Chloride 10% Solution

Vapor Pressure:	not available	Evaporation Standard	available
Vapor Density:	Information not available	Auto Ignition Temp	Information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	colorless liquid with slight Hydrochloric acid odr	Upper Flamm. Limit in Air	Information not available
Flash Point:	Not flammable		
Specific Gravity:	~ 1.0		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability:	Stable
Conditions to Avoid:	Avoid contact with incompatible materials.
Materials to Avoid:	corrosive to metals and some plastics and rubbers.
Hazardous Decomposition Products:	Emits toxic fumes of tin and chlorine when heated
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

**SECTION 11 Toxicological Information**

Carcinogenic References:  
NTP Carcinogen - Known: No, IARC Category- None

**SECTION 12 Ecological Information**

Environmental Fate:  
Environmental Toxicity:  
No Information Found.  
96 Hr LC50 Brachydanio rerio: >1000 mg/L

**SECTION 13 Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**SECTION 14 Transport Information**

DOT Classification: Corrosive liquid, acidic, inorganic, n.o.s.  
(Stannic Chloride Pentahydrate), 8, UN3264,  
PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

Chemical Inventory Status –  
Part 1: Ingrandient  
Tin Chloride (7646-78-8)

## Stannic Chloride 10% Solution

TSCA Yes  
EC Yes  
Japan YES  
Australia Yes

Chemical Inventory Status –  
Part 2:Ingredient  
Tin Chloride (7646-78-8)  
Korea Yes  
DSL Yes  
NDSL No  
Phil. Yes

Federal, State & International Regulations –  
Part 1: Ingredient.  
Tin Chloride (7646-78-8)  
RQ No  
TPQ No  
List NO  
Chemical Catg No

Federal, State &  
International Regulations –  
Part 2:Ingredient  
Tin Chloride (7646-78-8)  
CERCLA NO  
261.33 No  
8(d) No

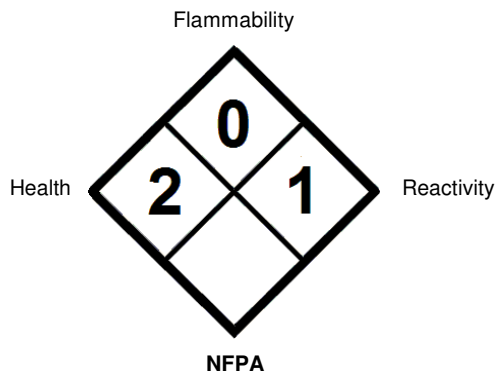
Chemical Weapons Convention: No  
TSCA 12 (b):No  
CDTA:No PURE/SOLID  
SARA 311/312: Acute:YES  
Chronic: YES  
Fire: No  
Pressure: No  
Reactivity: YES  
Australian Hazchem Code: 2X  
Poison Schedule:NONE ALLOCATED

### SECTION 16

#### Additional Information

Danger! Corrosive! Causes burns to any area of contact! Harmful if swallowed or inhaled. Inhalation may cause lung damage. Danger! Hydrochloric acid liberated on contact with moisture or heat. Ingestion can cause severe burns to mouth and throat and stomach, leading to death. Can cause sore throat, vomiting and diarrhea. Circulatory collapse with weak and rapid pulse, shallow respirations and scanty urine may follow ingestion. Circulatory shock is often the immediate cause of death. Persons with preexisting conditions are more susceptible.

Stannic Chloride 10% Solution



Revisions

	0	
8/2/2010	0.1	updated msds to 16 section from 10 section msds. STN

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.