

# Safety Data Sheet

## Stannous Sulfate

### SECTION 1: PRODUCT DESCRIPTION

#### PRODUCT IDENTIFIER

Product form: Solid  
Product Name: Stannous Sulfate, Reagent  
Formula: SnSO<sub>4</sub>  
Synonyms: Tin (II) Sulfate

#### SUPPLIER

#### INTENDED USE OF PRODUCT

Use: Industrial; professional use only

#### EMERGENCY TELEPHONE NUMBER

CHEMTEL 24 HR Emergency number: 1-800-255-3924

### SECTION 2: HAZARD IDENTIFICATION

**GHS CLASSIFICATION:** Acute Toxicity - Oral Category 5  
Skin Irritation - Category 2  
Eye Irritation - Category 2A  
Specific Target Organ Toxicity - Single Exposure Category 3

#### HAZARD STATEMENTS:

H303: May be harmful if swallowed  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H335: May cause respiratory irritation

#### PRECAUTIONARY STATEMENTS:

P312: Call a POISON CENTER/DOCTOR if you feel unwell.  
P264: Wash hands thoroughly after handling  
P271: Use only outdoors or in a well-ventilated area.  
P261: Avoid breathing in dust or fumes.  
P280: Wear protective gloves/clothing and face/eye protection.  
P302+P352: IF ON SKIN: wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash before reuse.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312: Call a POISON CENTER/doctor if you feel unwell  
P403+P233: Store in a well ventilated place. Keep container tightly closed  
P405: Store locked up  
P501: Dispose of contents in accordance with local and federal regulations



Signal Word:

**WARNING**

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE			
Name	Product Identifier	%	Classification (GHS-US)
Stannous Sulfate	7488-55-3	>98%	See section 2

MIXTURE: Precautionary Statements: Not Applicable

## SECTION 4: FIRST AID MEASURES

**INHALATION:** In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**EYES:** In case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.

**SKIN CONTACT:** Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash with soap. Get medical attention.

**INGESTION: DO NOT INDUCE VOMITING:** Never give an unconscious person anything by mouth. If you feel unwell, seek medical attention. (show label when possible)

## SECTION 5: FIRE FIGHTING PROCEDURES

**EXTINGUISHING MEDIA:** Product is not flammable. Use appropriate media for adjacent fire. Cool unopened containers with water.

**FIRE FIGHTING METHODS AND PROTECTION:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

**FIRE AND/OR EXPLOSION HAZARDS:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Emits toxic fumes (tin oxide) under fire conditions.

## SECTION 6: SPILL OR LEAK MEASURES/PROCEDURES

### STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid creating and inhaling dust. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material like granulated clay. Prevent spillage from entering drains. Gather and store in a sealed container pending a waste disposal evaluation.

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** See section 8 concerning the use of PPE. Use with adequate ventilation. Wash hands thoroughly after using. Keep container closed when not in use. Avoid the formation of dusts.

**STORAGE:** Moisture sensitive. Keep container tightly closed in a cool, well-ventilated place. Keep away from incompatible materials.

## SECTION 8: PROTECTION INFORMATION

**CHEMICAL NAME:** Stannous Sulfate

<u>TLV</u> 2 MG/M3	<u>ACGIH</u>	<u>STEL</u> N/A	<u>TWA</u> 2 MG/m3	<u>OSHA PEL</u>	<u>STEL</u> N/A
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**CONTROL PARAMETERS/ ENGINEERING MEASURES:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** Lab coat, apron, eye wash, safety shower.

**RESPIRATORY PROTECTION** No respiratory protection required under normal conditions of use. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

**EYE PROTECTION:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**SKIN PROTECTION:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**GLOVES:** Nitrile or rubber

## SECTION 9: PHYSICAL DATA

**FORMULA:** SnSO<sub>4</sub>

**FREEZING POINT:** No data available

**MOLECULAR WEIGHT:** 214.77 g/mol

**FLAMMABILITY:** Not flammable

**APPEARANCE:** White solid/granular

**FLASH POINT:** Not flammable

**ODOR:** N/A

**AUTO IGNITION TEMPERATURE:** No data available

**PHYSICAL STATE:** Solid

**DECOMPOSITION TEMPERATURE:** No data available

**pH:** No data available

**VAPOR PRESSURE :** 1mm Hg at 1783°F (973°C)

**MELTING POINT:** 712.4°F (378°C)

**SPECIFIC GRAVITY:** 4.15 g/cm<sup>3</sup> ( Water = 1)

**BOILING POINT:** No data available

**RELATIVE VAPOR DENSITY AT 20°C:** Not available

## SECTION 10: REACTIVITY DATA

**REACTIVITY:** Stable substance.

**CHEMICAL STABILITY:** Stable under recommended handling and storage conditions. (see section 7)

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Moisture.

**INCOMPATIBLE MATERIALS:** No data available

**HAZARDOUS DECOMPOSITION PRODUCTS:** Tin oxides.

## SECTION 11: TOXICITY DATA

**ROUTES OF ENTRY:** Ingestion, dermal and inhalation

**SYMPTOMS (ACUTE):** Irritation, redness, itching, watery eyes, coughing, wheezing, nausea, vomiting and diarrhea.

**DELAYED EFFECTS:** No data available

**ACUTE TOXICITY:**

<u>CHEMICAL NAME:</u>	<u>CAS NUMBER</u>	<u>ORAL LD50</u>	<u>DERMAL LD50</u>	<u>INHALATION LC50</u>
Stannous Sulfate	7488-55-3	N/A	N/A	N/A

**CARCINOGENICITY:**

<u>CHEMICAL NAME:</u>	<u>CAS NUMBER</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Stannous Sulfate	7488-55-3	N/A	N/A	

**CHRONIC EFFECTS:**

**MUTAGENICITY:** No evidence of a mutagenic effect.

**TERATOGENICITY:** No evidence of a teratogenic effect (Birth defect)

**SENSITIZATION:** No evidence of a sensitization effect.

**REPRODUCTIVE:** No evidence of negative reproductive effects.

**TARGET ORGAN EFFECTS:**

**ACUTE:** See section 2

**CHRONIC:** Not available

## SECTION 12: ECOLOGICAL DATA

**OVERVIEW:** Moderate ecological hazard. This product may be dangerous to plants and/or wildlife. Highly/very toxic to fish and other water organisms.

**MOBILITY:** N/A

**PERSISTANCE:** N/A

**BIOACCUMULATION:** N/A

**DEGRADABILITY:** N/A

**OTHER ADVERSE EFFECTS:** N/A

<u>CHEMICAL NAME:</u>	<u>CAS NUMBER</u>	<u>ECO TOXICITY</u>
Stannous Sulfate	7488-55-3	Not Available

## SECTION 13: DISPOSAL INFORMATION

**DISPOSAL METHODS:** Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance

**WASTE DISPOSAL CODE(S):** Not determined

## SECTION 14: TRANSPORT INFORMATION

**GROUND- DOT PROPER SHIPPING NAME:**

Not a dangerous good.

**AIR- IATA PROPER SHIPPING NAME:**

Not a dangerous good.

## SECTION 15: REGULATORY INFORMATION

**TSCA STATUS:** All components in this product are on the TSCA Inventory.  
**CALIFORNIA PROP 65:** Not listed

CHEMICAL NAME:	CAS NUMBER	§ 311 NAME	§ 312 Name	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Stannous Sulfate	7488-55-3	Stannous Sul- fate	Stannous Sul- fate	N/A	No	No

## SECTION 16: ADDITIONAL INFORMATION

REVISED: MAY 2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Nathan Trotter & Co. Inc. makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

### GLOSSARY:

<b>ACGIH:</b> American Conference of Governmental Industrial Hygienists	<b>NTP:</b> National Toxicology Program
<b>CAS:</b> Chemical Abstract Service Number	<b>OSHA:</b> Occupational Safety and Health Administration
<b>CERCLA:</b> Comprehensive Environmental Response, Compensation, and Liability Act	<b>PEL:</b> Permissible Exposure Limit
<b>DOT:</b> U.S. Department of Transportation	<b>PPM:</b> Parts per million
<b>IARC:</b> International Agency for Research on Cancer	<b>RCRA:</b> Resource Conservation and Recovery Act
<b>N/A:</b> Not Available	<b>SARA:</b> Superfund Amendments and Reauthorization Act
	<b>TLV:</b> Threshold Limit Value
	<b>TSCA:</b> Toxic Substances Control Act
	<b>IDLH:</b> Immediately dangerous to life and health

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END OF SDS