

SECTION 1: PRODUCT DESCRIPTION**PRODUCT IDENTIFIER**

Product form: Solid
 Product Name: Stannous Sulfate, Reagent
 Formula: SnSO₄
 Synonyms: Tin (II) Sulfate

SUPPLIER

NATHAN TROTTER & COMPANY
241 W. STEWART HUSTON DRIVE
COATESVILLE, PA 19320
PH. 610-524-1440
FX. 610-524-2496

INTENDED USE OF PRODUCT

Use: Industrial; professional use only

EMERGENCY TELEPHONE NUMBER

CHEMTREC 24 HR Emergency number: 1-800-424-9300
 INTERNATIONAL CHEMTREC call: 1-703-527-3887

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: SnSO₄

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/cm³ (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 Sulfate	Stannous Sulfate	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:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service Number

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: U.S. Department of Transportation

IARC: International Agency for Research on Cancer

N/A: Not Available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PPM: Parts per million

RCRA: Resource Conservation and Recovery Act

SARA: Superfund Amendments and Reauthorization Act

TLV: Threshold Limit Value

TSCA: Toxic Substances Control Act

IDLH: Immediately dangerous to life and health

END OF SDS