



# Material Safety Data Sheet

Catalog Number: 215283  
Revision date: 25-Apr-2006

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 215283

Product name: STANNIC SULFIDE

**Supplier:**

MP Biomedicals, LLC  
29525 Fountain Parkway  
Solon, OH 44139  
tel: 440-337-1200

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
STANNIC SULFIDE	1315-01-1	90 - 100%	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** May cause irritation to the eyes, skin and respiratory system.

**Category of Danger:**

Irritant

**Principle routes of exposure:** Skin

**Inhalation:** Irritating to respiratory system

**Ingestion:** Irritating to mouth, throat and stomach

**Skin contact:** Irritating to skin.

**Eye contact:** Contact with eyes may cause irritation

**ANSI Classification** Irritant - eye, skin, respiratory

**Statements of hazard** May Cause Eye, Skin and Respiratory Tract irritation.

**Statement of Spill or Leak - ANSI Label** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment.

**Statement of First Aid** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**Precautions - ANSI Label** Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid breathing vapors. Avoid prolonged or repeated contact with the skin, eyes or respiratory tract. Wash thoroughly after exposure.

## 4. FIRST AID MEASURES

**General advice:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Inhalation:** Move to fresh air. Call a physician immediately.

**Skin contact:** Rinse immediately with plenty of water for at least 15 minutes Call a physician immediately

**Ingestion:** Do not induce vomiting without medical advice.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

**Protection of first-aiders:** No information available

**Medical conditions aggravated by exposure:** None known

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:**

Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

**Specific hazards:**

Burning produces irritant fumes.

**Unusual hazards:**

None known

**Special protective equipment for firefighters:**

Wear self contained breathing apparatus for fire fighting if necessary.

**Specific methods:**

Water mist may be used to cool closed containers.

**Flash point:**

Not determined

**Autoignition temperature:**

Not determined

**NFPA rating:**

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protective equipment.

**Environmental precautions:**

Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:**

Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

**Storage:**

ROOM TEMPERATURE

**Handling:**

Use only in area provided with appropriate exhaust ventilation.

**Safe handling advice:**

Wear personal protective equipment. Remove and wash contaminated clothing before reuse.

**Technical measures/storage conditions:**

Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products:**

Oxidising and spontaneously flammable products

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure adequate ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** Breathing apparatus only if aerosol or dust is formed.

**Hand protection:** Pvc or other plastic material gloves

**Skin and body protection:** Impervious clothing

**Eye protection:** Goggles

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid
<b>Formula:</b>	Sn
<b>Molecular weight:</b>	118.69
<b>Melting point/range:</b>	231.9 °C
<b>Boiling point/range:</b>	2260 °C at 1013 hPa
<b>Density:</b>	7.3 g/cm <sup>3</sup> at 20 °C
<b>Vapor pressure:</b>	1.3332 hPa at 1492 °C
<b>Evaporation rate:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Solubility (in water):</b>	Insoluble
<b>Flash point:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Polymerization:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Sulphur oxides, Tin (Sn)
<b>Materials to avoid:</b>	-
	Chlorine, turpentine; for stannic chloride: water, alcohols, amines (as Sn)
<b>Conditions to avoid:</b>	Exposure to air or moisture over prolonged periods.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Acute toxicity

Components  
STANNIC SULFIDE

**RTECS Number:**  
Not Available

**Selected LD50s and LC50s**  
Not Determined

<b>Chronic toxicity:</b>	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
<b>Local effects:</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>Specific effects:</b>	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
<b>Primary irritation:</b>	A primary irritant.
<b>Carcinogenic effects:</b>	No data is available on the product itself.
<b>Mutagenic effects:</b>	No data is available on the product itself.
<b>Reproductive toxicity:</b>	No data is available on the product itself.
Components	<b>NIOSH - Health Effects</b>
STANNIC SULFIDE	<b>NIOSH - Target Organs</b>
	inorganic compounds, eye and skin irritation; eyes, skin, respiratory system
	organic compounds, eye, skin, liver, nervous system, and heart effects

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	No data available
<b>Bioaccumulation:</b>	No data available
<b>Ecotoxicity effects:</b>	No data available
<b>Aquatic toxicity:</b>	May cause long-term adverse effects in the aquatic environment.

<b>Components</b>	<b>U.S. DOT - Appendix B - Marine Pollutan</b>	<b>U.S. DOT - Appendix B - Severe Marine Pollutants</b>	<b>United Kingdom - The Red List:</b>
STANNIC SULFIDE	Not Listed	Not Listed	Not Listed
<b>Components</b>	<b>Germany VCI (WGK)</b>	<b>World Health Organization (WHO) - Drinking Water</b>	<b>Ecotoxicity - Fish Species Data</b>
STANNIC SULFIDE	Not Listed	Non-hazardous to health at concentrations normally found in drinking water	Not Listed
<b>Components</b>	<b>Ecotoxicity - Freshwater Algae Data</b>	<b>Ecotoxicity - Microtox Data</b>	<b>Ecotoxicity - Water Flea Data</b>
STANNIC SULFIDE	Not Listed	Not Listed	Not Listed
<b>Components</b>	<b>EPA - ATSDR Priority List</b>	<b>EPA - HPV Challenge Program Chemical List</b>	<b>California - Priority Toxic Pollutants</b>
STANNIC SULFIDE	Not Listed	Not Listed	Not Listed
<b>Components</b>	<b>California - Priority Toxic Pollutants</b>	<b>California - Priority Toxic Pollutants</b>	
STANNIC SULFIDE	Not Listed	Not Listed	

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging:** Do not re-use empty containers

**Methods for cleaning up:** Soak up with inert absorbent material.

**14. TRANSPORT INFORMATION**

**UN/Id No:** Not regulated

**DOT:**

**Proper shipping name:** Not Regulated

<b>Components</b>	<b>U.S. DOT - Appendix A Table 1 - Reportable Quantities</b>
STANNIC SULFIDE	Not Listed

**TDG (Canada):**

**WHMIS hazard class:** D2b toxic materials

: 

**IMDG/IMO**

**IMDG - Hazard Classifications** Not Applicable

Components	<b>U.S. DOT - Appendix B - Marine Pollutan</b>	<b>U.S. DOT - Appendix B - Severe Marine Pollutants</b>
STANNIC SULFIDE	Not Listed	Not Listed

**IMO-labels:****15. REGULATORY INFORMATION****International Inventories****Components**

STANNIC SULFIDE

<b>Inventory - United States TSCA - Sect. 8(b)</b>	Present
<b>Canada DSL Inventory List -</b>	Present
<b>Canada NDSL Inventory List -</b>	S2Sn
<b>Australia (AICS):</b>	Present
<b>Inventory - China:</b>	Present
<b>EU EINECS List -</b>	215-252-9; S2Sn
<b>Inventory - Japan:</b>	1-569
<b>Korean KECL:</b>	KE-33853
<b>Philippines PICCS:</b>	Present

**U.S. regulations:****Components**

STANNIC SULFIDE

<b>California Proposition 65 -</b>	<b>Massachusetts Right to Know List:</b>	<b>New Jersey Right to Know List:</b>	<b>Pennsylvania Right to Know List:</b>
Not Listed	[present]	sn 1858	[present]

**Components**

STANNIC SULFIDE

<b>Florida substance List:</b>	<b>Rhode Island Right to Know List:</b>	<b>Illinois - Toxic Air Contaminants</b>	<b>Connecticut - Hazardous Air Pollutants</b>
[present]	Toxic	Not Listed	40 ug/m <sup>3</sup> HLV

**Components**

STANNIC SULFIDE

<b>SARA 313 Emission reporting/Toxic Release of Chemicals</b>	<b>CERCLA/SARA - Section 302 Extremely Haz</b>	<b>NTP:</b>	<b>IARC:</b>
Not Listed	Not Listed	None	None

**SARA 313 Notification:**

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Ammendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

**State Notification:**

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

**16. OTHER INFORMATION**

Prepared by: Health &amp; Safety

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**End of Safety Data Sheet**