

Material Safety Data Sheet

Section 1 – Product and Company Identification

Product Name	Stannous Sulfate
Chemical Name	Tin(II) Sulfate
Chemical Formula	SnSO ₄
Company Identification	Showa Kako Corporation 18-23, Yoshino-cho, Suita-city, Osaka 564-0054 JAPAN
Telephone Number	+81-6-6384-1501
24-hour Emergency Telephone Number	+81-6-6384-1501
Fax Number	+81-6-6384-2287

Section 2 – Hazards Information

Inhalation	Dust from the product, if present, may cause respiratory irritation following an excessive inhalation exposure.
Skin	May produce skin irritation.
Eyes	May cause eye irritation.
Ingestion	Not expected to present a significant ingestion hazards under anticipated condition of normal use.
GHS Classification	
Physical Hazards	Not classified
Health Hazards	
Acute toxicity (oral)	Category 5
Serious eye damage / eye irritation	Category 2A – 2B
Specific target organs/systemic toxicity following single exposure	Category 3 (Respiratory tract irritation)
Specific target organs/systemic toxicity following repeated exposure	Category 1 (Lung)
Environmental Hazards	Not classified
GHS Symbol	The image shows two GHS hazard symbols side-by-side. The first is the Health Hazard symbol (H302), which is a red diamond with a white background and a black silhouette of a person with a starburst on their chest. The second is the Acute Toxicity symbol (H301), which is a red diamond with a white background and a black skull and crossbones.
Signal Word	Danger
Hazard Statements	
H303	May be harmful if swallowed

H319	Causes serious eye irritation
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
Precautionary Statements	
P264	Wash hand and face, etc. thoroughly after handling.
P280	Wear protective eye protection/ face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P270	Do not eat, drink or smoke when using this product.
Response Statements	
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P314	Get medical advice/ attention if you feel unwell.
Storage Statements	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
Disposal Statements	
P501	Dispose of contents/ container through a waste management company authorized by the local government.

Section 3 – Composition and Information on Ingredients

Substance/Mixture	Substance
Chemical Name	Tin (II) Sulfate
CAS #	7488-55-3
Percent	98.0% min.

Section 4 – First Aid Measures

Eyes	Immediately flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Consult with ophthalmologist.
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Skin	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Consult with a physician if symptoms occur.
Ingestion	Immediately wash mouth with plenty of water and give 1 - 2 cupfuls of milk or water if victim is conscious and alert. Consult with a physician. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, wash out nasal aperture and mouth with plenty of water. If breathing is difficult, give artificial respiration. If not breathing, give oxygen. Consult with a physician.

Section 5 – Fire Fighting Measures

Flash Point	No data found	
Autoignition	No data found	
Explosion Limits	Lower	No data found
	Upper	No data found
Extinguish Media	Water, powder, carbon dioxide, foam	
Firefighting Instructions	Avoid non-firefighting equipped personnel to enter. Extinguish upwind from the fire wearing appropriate protective gear.	

Section 6 – Accidental Release Measures

Spills/ Leaks	Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
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Section 7 – Handling and Storage

Handling	Wear appropriate protective gear. Do not contact with eyes, skin and on clothing. Do not inhale. Handle with care. Wash mouth and hand after handling the material.
Storage	Keep container tightly closed. Avoid such conditions as direct sunlight, high temperature, high humidity and high piling. Store indoor.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls	Facilities storing or utilizing the material should be equipped with an eye wash facilities and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	No data found

Personal Protective Equipment	
Eyes	Safety goggles
Skin	Rubber gloves
Clothing	Protective clothing and rubber boots
Respirators	Anti-dust mask

Section 9 – Physical and Chemical Properties

Physical State	Powder
Appearance	White
Odor	Odorless
Boiling Point	No data found
Melting Point	360°C (decomposes)
Density	No data found
Viscosity	No data found
Flash Point	No data found
Autoignition	None
Explosibility	None
Vapor Pressure	No data found
Vapor Density	No data found
Solubility	Soluble in water

Section 10 – Stability and Reactivity

Stability	Stable (deforms to basic stannous sulfate with water and humidity.)
Conditions to avoid	Direct sunlight, high temperature, high humidity and high piling
Incompatibilities with Other Material	No data found
Hazardous Decomposition Product	May produce carbon monoxide, nitrogen oxides, sulfur oxides or tin/ tin oxides.
Hazardous Polymerization	Will not occur

Section 11 – Toxicological information

RTECS #	No data found
LD50/ LC50	Oral-rat LD50: 2207 mg/ kg Oral-mouse LD50: 2152 mg/ kg
Carcinogenicity	No data found
Mutagenicity	No data found
Reproductive Effects	No data found
Teratogenicity	No data found

Immunology	No data found
Irritation	May be irritating to eyes, skin or membrane.

Section 12 – Ecological Information

Ecotoxicity	No data found
Environmental Standard	No data found

Section 13 – Disposal Consideration

Disposal Method	Federal (national), state or local laws and regulations will determine the proper waste disposal method.
Regulation Method	Federal (national), state or local laws and regulations

Section 14 – Transport Information

Shipping Name	Not applicable
Hazard Class	Not applicable
UN #	Not applicable
Packing Group	Not applicable

Section 15 – Regulatory Information

United States	TSCA	On the list
EC	EINECS	231-302-2
Canada	WHMIS	No data found
Japan	PRTR law	Not on the list

Section 16 – Other Information

MSDS Creation Date	January 31, 2001
Revised Date	April 19, 2013
Revised No.	Revised 4th

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