Material Safety Data Sheet

Section 1 – Product and Company Identification

Product Name	Metastannic Acid
Chemical Name	Dihydroxyoxotin (IV)
Chemical Formula	H_2SnO_3
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	Not harmful if handled properly
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	Not classified

Section 3 – Composition and Information on Ingredients

Substance/Mixture	Substance
Chemical Name	Dihydroxyoxotin (IV)
CAS #	13472-47-4
Percent	83.0-86.0%(as SnO_2)

Section 4 – First Aid Measures

Eyes	Immediately flush eyes with copious amounts of water for at least 15 minutes. Consult with ophthalmologist.
Skin	Immediately flush skin with copious amounts of water for at least 15 minutes.
Ingestion	Wash out mouth with water. Induce vomiting. Call a physician.
Inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician if necessary.

Section 5 – Fire Fighting Measures

Flash Point		No data found
Autoignition		None
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. Ventilator area and wash spill site after material pickup is complete.

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 - Pale Yellow
Odor	Odorless
Boiling Point	No data found
Melting Point	No data found

Density	3.12
Flash Point	No data found
Autoignition	None
Explosibility	None
Vapor Pressure	No data found
Vapor Density	No data found
Solubility	Soluble in excessive sodium hydroxide
	Insoluble in water and acid

Section 10 – Stability and Reactivity

Stability	Stable
Conditions to avoid	Direct sunlight, high temperature, high humidity and high piling
Incompatibilities with Other Material	No data found
Hazardous Decomposition Product	SnO_2 (It will generate if heated in the air.)
Hazardous Polymerization	Will not occur

Section 11 – Toxicological information

RTECS #	No data found
LD50/ LC50	No data found
Carcinogenicity	No data found
Mutagenicity	No data found
Reproductive Effects	No data found
Teratogenicity	No data found
Immunology	No data found
Irritation	No data found

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**	Not on the list
EC	**EINECS**	236-745-5
Canada	**WHMIS**	No data found
Japan	**PRTR law**	Not on the list

Section 16 – Other Information

MSDS Creation Date	February 25, 2014
Revised Date	-
Revised No.	1st