



# Magnesium Elektron, Inc.

## MATERIAL SAFETY DATA SHEET

### 1. Product Identification

Manufacturer's Name	Magnesium Elektron, Inc.	
Address	500 Point Breeze Road, Flemington, New Jersey 08822	
Trade Name	Tin Oxide	
Synonyms	Tin (IV) Oxide, Tin (IV) Dioxide, Stannic Oxide	
CAS Number	18282-10-5	
Regular Telephone No.	(201) 782-5800	Emergency Telephone No. (201) 782-5800

### 2. Hazardous Ingredients

Material or Component	Tin Oxide (as SnO <sub>2</sub> )	100%
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### 3. Physical Data

Boiling Point (°F)	Sublimes.	Specific Gravity (H <sub>2</sub> O=1)	6.9
Vapor Pressure (mm Hg.)	Not Established.	Melting Point	Above 1400° C
Solubility in Water	Nil.	Vapor Density	Not Established.
Appearance and Odor	White powder with no odor.		

### 4. Fire and Explosion Data

Flash Point (Test Method)	Not Flammable.	Autoignition Temperature	Not Applicable.
Flammable Limits in Air % by Volume :	Lower Not Applicable.	Upper	Not Applicable.
Extinguishing Media	Use media suitable for surrounding fires. This material is not flammable.		
Special Fire Fighting Procedures	None Known.		
Unusual Fire and Explosion Hazard	None Known.		

### 5. Health Hazard Information

<b>First Aid</b>	
Eyes	Flush eyes with running water for at least 15 minutes. Seek medical aid.
Skin	Flush affected area with soap and water. If irritation is present, seek medical aid.
Inhalation	Seek medical aid.
Ingestion	Seek medical aid.
<b>Nature of Hazard</b>	
Eyes	Abrasive material.
Skin	Abrasive material that may cause irritation.
Inhalation	Chronic exposure to Tin Oxide fumes or dust may result in Stannosis, a form of Pneumoconiosis.
Ingestion	Tin Oxide is considered non-toxic by ingestion.
<b>Effects of Overexposure</b>	
Acute Overexposure	No information found.
Chronic Overexposure	See "Inhalation" above.

**Threshold Limit Value (TLV)**Tin Oxide - OSHA PEL: 2 mg/M<sup>3</sup> (TWA).**Toxicity Data**

Skin Contact	No information found.
Eye Contact	No information found.
Inhalation	No information found.
Ingestion	No information found.

**6. Reactivity Data**

Conditions Contributing to Instability	Stable.
Incompatibility	Avoid contact with substances which may lead to the formation of volatile Hydrides or Halides of organic Tin Compounds.
Hazardous Decomposition Products	None Known.
Conditions Contributing to Hazardous Polymerization	Not Applicable.

**7. Spill or Leak Procedures**

Steps to be Taken if Material is Released or Spilled	Collect by sweeping wet or with the aid of a sweeping compound. Respiratory protection should be worn.
Neutralizing Chemicals	None Required.
Waste Disposal Method	Dispose of in accordance with local, state and federal regulations.

**8. Special Protection Information**

Ventilation Requirements	General room ventilation as a minimum.
<b>Specific Personal Protective Equipment</b>	
Respiratory	If dusting is a problem, wear an approved dust mask.
Eye	Safety glasses as a minimum.
Gloves	As with all chemicals, gloves should be worn to prevent excessive or repeated skin contact.
Other Clothing and Equipment	Work clothes or coveralls, as required, to minimize skin contact.

**9. Special Precautions****Hazardous Classification Information**

IMO Hazard Class and Number	Not Applicable.	US DOT Hazard Class	Not Applicable.
UN Number	Not Applicable.		
SARA TITLE III	Not Applicable.		

**Handling and Storage Materials and Coatings**

Suitable	Packaging: Polyethylene-lined fiberboard drums with plastic lids.
Unsuitable	

