

MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

Trade Name:	Indium Nitrate	Chemical Nature:	Metal Nitrate
Chemical Formula:	In(NO ₃) ₃		

II HAZARDOUS INGREDIENTS

TLV (Units):	0.1 mg/m ³	OSHA PEL:	Not Set
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III PHYSICAL DATA

Boiling Point 760 mm Hg:	Not determined	Melting Point:	100 °C
Reaction with Water:	Hydrolyzes	Density:	Not Available
Molecular Weight:	300.82	Solubility in H₂O:	Very Soluble
Appearance and Odor:	Colorless crystalline solid, powder no odor.		

IV FIRE AND EXPLOSION HAZARDS DATA

Flash Point: N/A	Autoignition Temperature: N/A
Flammability: Contributes to flammability.	Extinguishing Media: Dry Chemical.

Special Fire Fighting Procedures: Full protective clothing including self-contained breathing apparatus.

Unusual Fire & Explosion Hazard: An oxidizer which may enhance fires.

V HEALTH HAZARD INFORMATION

Effects of Over Exposure:

Inhalation: Compounds cause mild pulmonary irritation. May cause pulmonary edema if exposure is severe.

Dermal/Eye Contact: Irritation of the skin, and eye.

Other: No human toxicity data available. Indium compounds have been reported to cause heart, liver and kidney injury. Ingestion of this compound may cause nausea, vomiting, diarrhea, weakness, convulsions and collapse.

Medical Conditions Generally Aggravated by Exposure: Not Determined.
Carcinogenicity: None

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with copious amounts of water for 15 minutes. Seek medical attention.

SKIN: Remove any contaminated clothing, brush material off of skin, flush with running water, wash with soap and water.

INHALATION: Remove to fresh air. Seek medical attention.

INGESTION: Induce vomiting, seek immediate medical attention.

VI REACTIVITY DATA

Stability: Stable

Incompatibilities: Strong acids.

Hazardous Decomposition Products: May emit NO_x gases when heated to decomposition.

VII SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled: Sweep or scoop up and remove.

Waste Disposal Method: In accordance with Local, State and Federal Waste Disposal Regulations.

VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Filter - Dust, Fume, Mist. If dust or fumes are being generated, use a half or full mask air purifying respirator.

Ventilation: Local Exhaust: To maintain exposure below TLV.

Mechanical: Not recommended.

Eye Protection: Safety glasses.

Protective Gloves: Neoprene

Other Protective Equipment: Normal laboratory wear.

IX SPECIAL PRECAUTIONS

Precautions to Be Taken in Handling and Storage:

- ◆ Wash thoroughly after handling
- ◆ Do not get in eyes, on skin or clothing
- ◆ Do not breath dust, vapor, mist, or gas
- ◆ Keep container closed
- ◆ Store in tightly closed containers
- ◆ Keep from contact with clothing and other combustible materials. It is an oxidizer.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ESPI shall not be held liable for any damage resulting from handling or from contact with the above product.

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