



# Super Conductor Materials, Inc.

391 Spook Rock Industrial Park, Suffern, NY 10901 · 845.368.0240 · www.scm-inc.com

Chemtrec: (800) 424-9300

Poison Center: (800) 562-8236

Revision Date: January 8<sup>th</sup>, 2019

## **SAFETY DATA SHEET**

Identity: Indium Nitride

Formula: InN

### SECTION I - GENERAL INFORMATION

Manufacturer: Super Conductor Materials, Inc.

The information below is believed to be accurate and represents the best information available to Super Conductor Materials, Inc. However, SCM makes no warranty, expressed or implied with respect to such information and assumes no liability resulting from its use.

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Molecular weight: 128.83

CAS #	OSHA PEL	ACGIH TLV	%
25617-98-5	NE	0.1 mg/m <sup>3</sup>	0.0 -100.0 %

### SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Physical States: Solid

Boiling Point: N/A

Vapor Pressure (vs. air or mmHg): N/A

Melting Point: N/A

Specific Gravity (Water=1): N/A

Evaporation Rate: N/A

Flash Point: N/A

Solubility in water: N/A

*Appearance and odor:* Black powder and pieces, no odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

*Method Used:* Unknown

*Explosive Limits:* LEL: N/A

UEL: N/A

*Extinguishing Media:* Product is not flammable. Use fire fighting measure that suit the surrounding fire.

*Special Fire Fighting Procedures:* Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

*Unusual Fire and Explosion Hazards:* When heated to decomposition, indium nitride may emit toxic fumes of ammonia.

### SECTION V - REACTIVITY DATA

*Stability:* Stable

*Conditions to Avoid (instability):* None



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*Incompatibility (Materials to avoid):* None recorded

*Hazardous Decomposition or Byproducts:* Ammonia

*Hazardous Polymerization:* Will not occur

*Conditions to avoid (hazardous polymerization):* None

## SECTION VI - HEALTH HAZARD DATA

*Routes of entry:* Inhalation? Yes    Ingestion? Yes    Eyes? Yes    Skin? Yes    Other? No

To the best of our knowledge the chemical, physical and toxicological properties of indium nitride have not been thoroughly investigated and recorded.

### Signs and Symptoms of Overexposure:

*Inhalation:* cause a red, dry throat, sneezing, coughing and shortness of breath.

*Ingestion:* May cause nausea, vomiting and stomach discomfort.

*Skin:* May cause redness, burning, itching and inflammation.

*Eye:* May cause redness, burning, itching, watering and inflammation.

### Health Hazards (Acute and Chronic):

#### *Inhalation:*

Acute: May cause damage to the respiratory system.

Chronic: May cause pneumonitis.

#### *Ingestion:*

Acute: May cause irritation to the gastrointestinal tract.

Chronic: No chronic health effects recorded.

#### *Skin:*

Acute: May cause irritation.

Chronic: No chronic health effects recorded.

#### *Eyes:*

Acute: May cause irritation.

Chronic: No chronic health effects recorded.

*Target Organs:* May affect the respiratory system

*Carcinogenicity:* NTP? No    IARC Monographs? No    OSHA Regulated? No

*Medical Conditions Aggravated by Exposure:* Pre-existing respiratory disorders

### Emergency and First Aid Procedures:

*Inhalation:* Remove victim to fresh air, keep warm and quiet, and give oxygen if breathing is difficult; seek medical attention

*Ingestion:* Give 1-2 glasses of milk or water and induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person

*Skin:* Remove contaminated clothing, brush material off skin, wash affected area with mild soap and water, and seek medical attention if symptoms persist

*Eye:* Flush eyes with lukewarm water, lifting upper and lower eyelids for at least 15 minutes and seek medical attention



SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

*Steps to be taken in case material is released or spilled:*

Wear appropriate respiratory and protective equipment specified in section VIII. Isolate spill area, provide ventilation and extinguish sources of ignition. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for proper disposal. Take care not to raise dust.

*Waste disposal method:*

Dispose of in accordance with state, local, and federal regulations.

*Hazard Label Information:*

Store in cool, dry area and in tightly sealed container. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

*Protective Equipment Summary (Hazard Label Information):*

NIOSH approved respirator, impervious gloves, safety glasses, clothes to prevent contact.

*Ventilation:*

Local Exhaust: To maintain concentration at or below the PEL, TLV

Mechanical (General): Recommended

*Work/Hygienic/Maintenance Practices:*

Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air.

Please be advised that N/A can either mean Not Applicable or No Data Has Been Established