



## Material Data Safety Sheet

### Quick Identifier: Indium

#### I. PRODUCT IDENTIFICATION

<b>Trade Name:</b>	Indium	<b>Formula:</b>	In
<b>Synonyms:</b>		<b>Molecular Weight:</b>	
<b>CAS #:</b>	7440-74-6		

#### II. HAZARDOUS INGREDIENTS

<u>Hazardous Components:</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>	<u>Other Limits:</u>
Indium	None	.1mg/m <sup>3</sup>	None
<b>Sec. 302 (EHS):</b>	No	<b>Sec. 304 RQ:</b> No	<b>Sec. 313:</b> No
<b>HMIS Ratings (0-4): Health:</b>	N/A	<b>Flammability:</b> N/A	<b>Reactivity:</b> N/A
<b>HMIS Protective Equipment:</b>	N/A		

#### III. PHYSICAL DATA

<b>Boiling Point:</b>	2000 F	<b>Melting Point:</b>	313 F
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	7.3	<b>Vapor Density (Air=1):</b>	N/A
<b>Vapor Pressure (mm Hg):</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>% Volatiles by Volume:</b>	N/A	<b>Solubility in H<sub>2</sub>O:</b>	N/A

**Appearance and Odor:** Steel Gray-no odor

#### IV. FIRE AND EXPLOSION HAZARDS DATA

<b>Flash Point/Method:</b>	None
<b>Explosive Limits:</b>	<b>LEL:</b> N/A <b>UEL:</b> N/A
<b>Extinguishing Media:</b>	N/A
<b>Special Fire Fighting Procedures:</b>	Do not use water near molten metal – danger of explosion
<b>Unusual Fire and Explosion Hazards:</b>	At very high temperatures toxic metal oxide fumes may be evolved.

#### V. HEALTH HAZARD INFORMATION

<b>Routes of Entry:</b>	Inhalation, and Eyes, Ingestion				
<b>Target Organs:</b>	N/a				
<b>Carcinogenicity: NTP:</b>	No	<b>IARC Monographs:</b>	No	<b>OSHA Regulated:</b>	No
<b>LD50/LC50:</b> No toxicity data recorded.					

**Health Hazards (Acute and Chronic):**

**Inhalation:**

**Acute:** N/A

**Chronic:**

**Ingestion:**

**Acute:**

**Chronic:**

**Skin:**

**Acute:**

**Chronic:**

**Eye:**

**Acute:**

**Chronic:**

**Signs and Symptoms of Exposures:**

**Inhalation:**

**Ingestion:**

**Skin:**

**Eye:**

**Medical Conditions Generally** Toxicity information is based on animal experimentation.

**Aggravated by Exposure:**

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove from exposure and seek medical attention.

**INGESTION:** Dilute with large amount of water, induce vomiting, seek medical attention.

**SKIN:** Thoroughly wash affected area with mild soap and water.

**EYE:** Flush with copious amounts of clean water. If irritation persists, seek medical attention.

**VI. REACTIVITY DATA**

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<b>Stability:</b>	Stable
<b>Incompatibility (Material to avoid):</b>	Chromium is soluble in Di1 H2So4, HCL
<b>Hazardous Decomposition Products:</b>	None
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	N/A

**VII. SPILL OR LEAK PROCEDURES**

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<b>Steps to Be Taken in Case Material Is Released or Spilled:</b>	Vacuum the area and use NIOSH approved respirator.
<b>Waste Disposal Method:</b>	According to appropriate government.
<b>Hazard Label Information:</b>	Wash thoroughly after handling and before eating or smoking and at end of shift.
<b>Precautions to Be Taken in Handling and Storing:</b>	Do not shake clothing to remove dust. Use a vacuum.

**VIII. SPECIAL PROTECTION INFORMATION**

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<b>Respiratory Protection:</b>	Use NIOSH approved dust and fume mask.
<b>Ventilation: Local Exhaust:</b>	Use
<b>Mechanical (General):</b>	If not available, use respirators as specified above
<b>Protective Gloves:</b>	Recommended when contact is likely.
<b>Eye Protection:</b>	Safety glasses are recommended when contact is likely.
<b>Other Protective Clothing or Equipment:</b>	No other suggested
<b>Work/Hygienic/Maintenance Practices:</b>	Normal hygienic practices.

## **IX. ADDITIONAL COMMENTS**

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Some of the chemicals listed herein are research or experimental substances which may be toxic, as defined by various governmental regulations. In accordance with Environmental Protection Agency regulations and the Toxic Substance Control Act (TSCA), these materials should only be handled by, or under the direct supervision of a “technically qualified individual”, as defined in 40 CFR 710.2(aa).

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