

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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## **MATERIAL SAFETY DATA SHEET**

### **INDIUM SULPHATE (Hydrate) 99.9% AR** **MSDS CAS: 304655-87-6**

#### **Section 1: Chemical Product and Company Identification**

##### **Section 1: Chemical Product**

**Product Name:** INDIUM SULPHATE (Hydrate) 99.9% AR

**CAS#:** 304655-87-6

**Chemical Name:** INDIUM SULPHATE (Hydrate) 99.9% AR

**Chemical Formula:**  $\text{In}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$

**Brand:** OXFORD

##### **Details Of The Supplier Of The Safety Data Sheet :**

**Company identification:**      **OXFORD LAB FINE CHEM LLP**  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
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Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Substances**

**Formula**                      :  $\text{In}_2(\text{SO}_4)_3 \cdot x\text{H}_2\text{O}$

**Molecular weight** : 517.82 g/mol

**CAS#**                         : 304655-87-6

No components need to be disclosed according to the applicable regulations.

**Toxicological Data on Ingredients:** Not available.

## Section 3: Hazards Identification

### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

**Other hazards** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Section 4: First Aid Measures

### Description of first aid measures:

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed:** No data available.

**Indication of any immediate medical attention and special treatment needed:** No data available.

## Section 5: Fire and Explosion Data

### Extinguishing media:

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

### Special hazards arising from the substance or mixture:

Sulphur oxides, Indium/indium oxides

**Advice for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions : No special environmental precautions required

### Methods and material for containment and cleaning up:

Clean up methods : Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

Precautions: Provide appropriate exhaust ventilation at places where dust is formed.

Storage: Store in cool place.

Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas. hygroscopic

Storage class (TRGS 510): Non Combustible Solids

## Section 8: Exposure Controls/Personal Protection

### Exposure controls:

**Personal protection:** Avoid all unnecessary exposure.

- **Respiratory protection:** Respiratory protection is not required. Where protection from nuisance level (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- **Hand protection:** Wear protective gloves.
- **Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands
- **Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- **Others:** When using, do not eat, drink or smoke.

### Control parameters:

Occupational Exposure Limits: No data available.

## Section 9: Physical and Chemical Properties

Physical state and appearance	: Solid.
Odor	: Not available.
Taste	: Not available.
Molecular Weight	: Not available.
Color	: Not available.
pH (1% soln/water)	: Not available.
Boiling Point	: Not available.
Melting Point	: Not available.
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: Not applicable.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Not available.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions to avoid:** Avoid moisture.

**Incompatibility with various substances:** Strong oxidizing agents.

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions.-Sulphur oxides, Indium/indium oxides

Other decomposition products-No data available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Hazardous decomposition products:** Fumes. Carbon monoxide. Carbon dioxide.

**Polymerization:** No.

## Section 11: Toxicological Information

### Information on toxicological effects:

#### Acute toxicity:

- **Inhalation:** Based on available data, the classification criteria are not met.
- **Dermal:** Based on available data, the classification criteria are not met.
- **Ingestion:** Based on available data, the classification criteria are not met.

**Corrosion:** Based on available data, the classification criteria are not met.

**Irritation:** Based on available data, the classification criteria are not met.

**Sensitization:** Based on available data, the classification criteria are not met.

**Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Toxic for reproduction:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

**Toxicity information:** Not available.

**BOD5 and COD:** Not available.

**Persistence - degradability:** Not available.

**Bioaccumulative potential:** Not established.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

**Results of PBT and vPvB assessment:** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## Section 13: Disposal Considerations

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

**General information:** Not regulated.

### Sea transport (IMDG) [English only]

**General information:** Not regulated.

### Air transport (ICAO-IATA) [English only]

**General information:** Not regulated.

## Section 15: Other Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment:**

For this product a chemical safety assessment was not carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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