



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Indium (III) sulfate**
PRODUCT NO: 2019-1
CAS NO: 13464-89
SYNONYMS: Indium sulfate, sulfuric acid, indium salt, diindium tris (sulfate)

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

HMIS CLASSIFICATION:

Health: 0 Flammability: 0 Reactivity: 0

NFPA RATING:

Health: 0 Fire: 0 Reactivity Hazard: 0

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May be harmful if absorbed through skin. May cause skin irritation.

INHALATION: may be harmful if inhaled. May cause respiratory tract irritation.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{In}_2(\text{SO}_4)_3$

Molecular Weight: 517.81

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Indium (III) sulfate	13464-82-9	100	0.1 mg/m3 (as in)	No data

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Flush eyes with lukewarm water, lifting upper and lower eyelids, for at least 15 minutes. Seek medical attention if symptoms persist.

SKIN EXPOSURE: Remove contaminated clothing. Brush material off skin. Wash affected area with mild soap and water. Seek medical attention if symptoms persist.

INHALATION: Remove the victim to fresh air. Keep victim warm. Give oxygen if breathing is difficult and seek medical attention if symptoms persist.

INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: None

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Carbon dioxide, extinguishing powder, or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire sulfur oxide and metal oxide fumes may be released.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear protective equipment. Ensure use of adequate ventilation. Keep container tightly closed.

ENVIRONMENTAL PRECAUTIONS: Do not let product enter drains or be released into the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate respiratory and protective equipment.

CONDITIONS FOR SAFE STORAGE: Store in a tightly sealed container and in a cool, dry area

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Chemical resistant gloves.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid

MELTING POINT: 600° C (dec.)

BOILING POINT: No data

MOLECULAR WEIGHT: 517.81

ODOR: None

SPECIFIC GRAVITY: 3.44 gm/ml

VAPOR PRESSURE: No data

SOLUBILITY IN WATER: Soluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID: Protect from air and moisture.

INCOMPATIBILITY: Magnesium and aluminum

SECTION 10 STABILITY AND REACTIVITY (Cont.)

DECOMPOSITION PRODUCTS: Sulfur oxides and metal oxide fumes

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: LD50 Intravenous – rat – 5.630 mg/kg. LD50 Subcutaneous – rat – 22.500 mg/kg.

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

MUTAGENIC EFFECTS: No data

TERATOGENIC EFFECTS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14 TRANSPORTATION DATA

Non-hazardous material

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed in the TSCA Inventory

SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA (TITLE 313): This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Diindium tris (sulphate)

NEW JERSEY RIGHT TO KNOW COMPONENTS: Diindium tris (sulphate)

CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 04/14

SDS DEPT.