

**GELEST, INC.**

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME ON LABEL: **INDIUM III HEXAFLUOROPENTANEDIONATE, 95% - AKI364**

CHEMICAL NAME: INDIUM III HEXAFLUOROPENTANEDIONATE

SYNONYMS: INDIUM HEXAFLUOROACETYLACETONATE, INDIUM HFAC

CHEMICAL FAMILY: INDIUM COMPOUND

FORMULA: C<sub>15</sub>H<sub>3</sub>F<sub>18</sub>O<sub>6</sub>In

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0

**INGREDIENTS**

IDENTITY	CAS NO.	%	TLV - (ACGIH)
INDIUM III HEXAFLUOROPENTANEDIONATE	34110-72-0	>90	TWA: 0.1mg/m <sup>3</sup>

**PHYSICAL DATA**

Boiling Point: not determined

Specific Gravity: >1

Vapor Density: NA

% volatiles: <1

Molecular Weight: 735.97

Appearance & Color: Off-white to amber solid, very slight odor

Melting Point: not determined

Vapor Pressure: not determined

Solubility in water: insoluble

Evaporation rate: NA

Other: NA

**FIRE & EXPLOSION DATA**

Flash Point, COC: NA

Autoignition Temp.: not determined

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(AKI364)

## ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations.

## HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of dust or particulates may irritate the respiratory tract.

Oral Toxicity: Not determined

Chronic Toxicity: Not determined

### SUGGESTED FIRST AID

**EYES:** In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

**SKIN:** Flush with water, then wash with soap and water.

**INHALATION:** Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

**INGESTION:** Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

## REACTIVITY DATA

Stability: Stable

Conditions to avoid: Strong oxidizers.

Hazardous decomposition products: Organic acid vapors, hydrogen fluoride and indium oxide fumes.

-2-(AKI364)

## SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

## OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers. Do not allow dust to accumulate in work areas.

## TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: NOT REGULATED

DOT LABEL: NONE REQUIRED

DOT ID No: NONE REQUIRED

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