

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **INDIUM COPPER BIS(ETHYLTHIOLATE)-
TRIPHENYLPHOSPHINE COMPLEX - AKI362.2**

CHEMICAL NAME: INDIUM COPPER BIS(ETHYLTHIOLATE)-
TRIPHENYLPHOSPHINE COMPLEX

CHEMICAL FAMILY: INDIUM COMPOUND

FORMULA: C₄₄H₅₀P₂S₄CuIn

HMIS CODES HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
INDIUM COPPER BIS(ETHYLTHIOLATE) TRIPHENYLPHOSPHINE COMPLEX	146688-53-1	>95	not established

PHYSICAL DATA

Boiling Point: NA	Melting Point: 105-122°C
Specific Gravity: > 1	Vapor Pressure: not determined
Vapor Density: NA	Solubility in water: reacts
% volatiles < 3%	Evaporation rate: NA
Molecular Weight: 947.43	Other: NA
Appearance & Color: Off-white solid; disagreeable odor	

FIRE & EXPLOSION DATA

Flash Point, TCC: >65°C (>150°F) Autoignition Temp.: not determined
Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, 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.

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ENVIRONMENTAL INFORMATION

Spill response: Cover spill with absorbent material. Transfer to a suitable container for disposal.

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

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation. The onset of irritation may not occur until several hours after exposure.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of metal alkoxides may irritate the respiratory tract.

Oral Toxicity: Not Determined.

Chronic Toxicity: There are no known chronic effects related to this compound.

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. 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: Avoid water, moist air.

Incompatibility (materials to avoid): Oxidizers.

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

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SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection:

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.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS NOI

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs ISSUE DATE AKI362.2: 10/12/09
SUPERSEDES:

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