

SAFETY DATA SHEET

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SECTION 1. IDENTIFICATION

Product Name: Indium(III) Iodide

CAS #: 13510-35-5

Relevant identified uses of the substance: Scientific research and development

Supplier details:

Stanford Advanced Materials

E-mail: sales@samaterials.com

Tel: (949) 407-8904

Address: 23661 Birtcher Dr., Lake Forest, CA 92630 U.S.A.

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture GHS Classification in accordance with 29 CFR 1910 (OSHA

HCS) Skin sensitization (Category 1), H317 Reproductive toxicity (Category 2), H361

Signal Word Warning Hazard statement(s) H317 May cause an allergic skin reaction. H361 Suspected

of damaging fertility or the unborn child. Precautionary statement(s) P201 Obtain special instructions

before use. P202 Do not handle until all safety precautions have been read and understood. P261

Avoid breathing dust. P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302 + P352 IF ON

SKIN: Wash with plenty of soap and water. P308 + P313 IF exposed or concerned: Get medical

advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/ container

to an approved waste disposal plant. Hazards not otherwise classified (HNOC) or not covered by GHS

- none

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances Formula : I3In Molecular weight : 495.53 g/mol CAS-No. : 13510-35-5 EC-No. : 236-839-6

SECTION 4. FIRST AID MEASURES

Description of first-aid measures General advice Show this material safety data sheet to the doctor in attendance. If inhaled After inhalation: fresh air. In case of skin contact In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician. In case

of eye contact After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses. If swallowed After swallowing: immediately make victim drink water (two glasses at most). Consult a physician. Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 Indication of any immediate medical attention and special treatment needed No data available

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media Suitable extinguishing media Use extinguishing measures that are appropriate to

local circumstances and the surrounding environment. Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are given. Special hazards arising from the

substance or mixture Indium/indium oxides Not combustible. Ambient fire may liberate hazardous vapours. Advice for firefighters Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing. Further information Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation.

Evacuate

the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. Environmental precautions Do not let product enter drains. Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area.

Avoid generation of dusts. Reference to other sections For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling Advice on safe handling Work under hood. Do not inhale substance/mixture. Hygiene measures Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities Storage conditions Tightly closed. Dry.

Storage class Storage class (TRGS 510): 11: Combustible Solids Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls Appropriate engineering controls Immediately change contaminated clothing.
Apply

preventive skin protection. Wash hands and face after working with substance. Personal protective equipment Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Skin protection Handle with impervious gloves. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves Body Protection protective clothing Respiratory protection required when dusts are generated. Control of environmental exposure Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance Form: powder Color: light yellow b) Odor No data available c) Odor Threshold No data

available d) pH No data available e) Melting point/freezing point No data available f) Initial boiling point

and boiling range No data available g) Flash point ()Not applicable h) Evaporation rate No data

available i) Flammability (solid, gas) No data available j) Upper/lower flammability or explosive limits

No data available k) Vapor pressure No data available l) Vapor density No data available m) Density

No data available Relative density No data available n) Water solubility No data available o) Partition

coefficient: n-octanol/water No data available p) Autoignition temperature No data available q)

Decomposition temperature No data available r) Viscosity No data available s) Explosive properties

No data available t) Oxidizing properties No data available Other safety information No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity No data available Chemical stability The product is chemically stable under standard

ambient conditions (room temperature) . Possibility of hazardous reactions No data available

Conditions to avoid no information available Incompatible materials Strong oxidizing agents

Hazardous decomposition products In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity Oral: No data available Inhalation: No data available

Dermal: No data available No data available Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available Respiratory or skin sensitization No data available Germ cell mutagenicity No data available Carcinogenicity IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels

greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. Reproductive toxicity Suspected human reproductive toxicant No data available Specific target organ toxicity - single exposure No data available Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available Additional Information To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., Prolonged exposure to iodides may produce iodism in sensitive individuals. Symptoms of exposure include: skin

rash, running nose, headache and irritation of the mucous membrane. For severe cases the skin may

show pimples, boils, hives, blisters and black and blue spots. Iodides are readily diffused across the placenta. Neonatal deaths from respiratory distress secondary to goiter have been reported. Iodides have been known to cause drug-induced fevers, which are usually of short duration., burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting Stomach

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Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence

SECTION 12. ECOLOGICAL INFORMATION

Toxicity No data available Persistence and degradability No data available Bioaccumulative potential No data available Mobility in soil No data available Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted Endocrine disrupting properties No data available Other adverse effects No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods Product Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods Further information Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

SARA 302 Components This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components 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. SARA 311/312 Hazards Acute Health Hazard, Chronic Health Hazard Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.