



SECTION 1: Product Identification

Chemical Name:	Rhodium (III) iodide (99.9+%-Rh)
Product Number:	305
CAS Registry Number:	15492-38-3
Formula:	RhI3
EINECS Number:	239-521-5
Chemical Family:	metal halide
Synonym:	Rhodium triiodide

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	15492-38-3	100	0.01mg/m3 (as Rh)	0.001mg/m3 (as Rh)

SECTION 3: Hazards Identification

Emergency Overview:	Irritating to the respiratory tract. May be harmful if swallowed. Prolonged exposure to iodide salts may produce a mild toxic syndrome known as iodism.
Primary Routes of Exposure:	Contact with skin and eyes. Inhalation of dust.
Eye Contact:	Contact with eyes causes irritation, redness, and pain.
Skin Contact:	Causes irritation to skin. Symptoms include redness, itching, and pain, pimples, boils, nives and blisters.
Inhalation:	Causes irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
Ingestion:	Large oral doses may cause irritation to the gastrointestinal tract
Acute Health Effects:	Irritating to skin, eyes and respiratory tract.
Chronic Health Effects:	Chronic ingestion of iodides may produce iodism. Symptoms include skin rash, running nose, headache and irritation of mucous membranes.
NTP:	No
IARC:	No



OSHA:	No
SECTION 4: First Aid Measures	
Eye Exposure:	Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.
Skin Exposure:	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation:	Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.
Ingestion:	Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.
SECTION 5: Fire Fighting Measures	
Flash Point:	not applicable
Autoignition Temperature:	none
Explosion Limits:	none
Extinguishing Medium:	none required
Special Fire Fighting Procedures:	No special fire fighting procedures required.
Hazardous Combustion and Decomposition Products:	none
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.
SECTION 6: Accidental Release Measures	
Spill and Leak Procedures:	To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, vermiculite or other suitable inert material and swept up.
SECTION 7: Handling and Storage	



Handling and Storage: Store solid in a tightly sealed container.

SECTION 8: Exposure Controls and Personal Protection

Eye Protection: Always wear approved safety glasses when handling a chemical substance in the laboratory.

Skin Protection: Wear appropriate chemical resistant gloves and protective clothing.

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 1910.134.

Additional Protection: No additional protection required.

SECTION 9: Physical and Chemical Properties

Color and Form: black powdr.

Molecular Weight: 483.62

Melting Point: no data

Boiling Point: no data

Vapor Pressure: no data

Specific Gravity: no data

Odor: none

Solubility in Water: slightly soluble

SECTION 10: Stability and Reactivity

Stability: hygroscopic

Hazardous Polymerization: no hazardous polymerization

Conditions to Avoid: contact with moisture

Incompatibility: halogens, hydrogen peroxide, chlorates and hypochlorites and active metals

Decomposition Products: none



SECTION 11: Toxicological Information

RTECS Data: No information available in the RTECS files.

Carcinogenic Effects: no data

Mutagenic Effects: no data

Teratogenic Effects: no data

SECTION 12: Ecological Information

Ecological Information: No information available

SECTION 13: Disposal Considerations

Disposal: Dispose of according to local, state and federal regulations.

SECTION 14: Transportation

Shipping Name (CFR): Non-hazardous

Hazard Class (CFR): NA

Additional Hazard Class (CFR): NA

Packaging Group (CFR): NA

UN ID Number (CFR): NA

Shipping Name (IATA): Non-hazardous

Hazard Class (IATA): NA

Additional Hazard Class (IATA): NA

Packaging Group (IATA): NA

UN ID Number (IATA): NA

SECTION 15: Regulatory Information



TSCA: Listed in the TSCA inventory

SARA (Title 313): Title compound not listed

Second Ingredient: none

Third Ingredient: none