



## SECTION 1: Product Identification

Chemical Name:	Ammonium hexachloroiridate (IV), 99%
Product Number:	512
CAS Registry Number:	16940-92-4
Formula:	(NH <sub>4</sub> ) <sub>2</sub> IrCl <sub>6</sub>
EINECS Number:	241-007-0
Chemical Family:	halometallate salts
Synonym:	Diammonium hexachloroiridate(IV), Diammonium iridium hexachloride

## SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	16940-92-4	100	no data	no data

## SECTION 3: Hazards Identification

Emergency Overview:	Harmful if swallowed. Irritating to skin, eyes and respiratory tract.
Primary Routes of Exposure:	Ingestion
Eye Contact:	Causes slight to mild irritation of the eyes.
Skin Contact:	Causes slight to mild irritation of the skin.
Inhalation:	Irritating to the nose, mucous membranes and respiratory tract.
Ingestion:	Harmful if swallowed.
Acute Health Effects:	Harmful if swallowed. Irritating to skin, eyes and respiratory tract.
Chronic Health Effects:	No information available on long-term chronic effects.
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.
<b>SECTION 5: Fire Fighting Measures</b>	
Flash Point:	not applicable
Autoignition Temperature:	none
Explosion Limits:	none
Extinguishing Medium:	none required
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 this material may emit toxic chlorine and hydrochloric acid fumes.
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.
<b>SECTION 6: Accidental Release Measures</b>	
Spill and Leak Procedures:	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
<b>SECTION 7: Handling and Storage</b>	
Handling and Storage:	Store material in a tightly sealed bottle. If possible, handle material in an efficient fume hood.
<b>SECTION 8: Exposure Controls and Personal Protection</b>	



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:	Material may form a fine dust. 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 xtl.
Molecular Weight:	441
Melting Point:	dec.
Boiling Point:	no data
Vapor Pressure:	no data
Specific Gravity:	2.856
Odor:	none
Solubility in Water:	soluble

## SECTION 10: Stability and Reactivity

Stability:	hygroscopic
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	material may absorb water from the atmosphere.
Incompatibility:	oxidizing agents and active metals
Decomposition Products:	hydrogen chloride, chlorine, oxides of nitrogen, and metal or metal oxides.

## SECTION 11: Toxicological Information

RTECS Data:	Oral (rat); LD50: 1852 mg/kg.
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Carcinogenic Effects: No data available

Mutagenic Effects: No data available

Tetratogenic Effects: No data available

## 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.



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Second Ingredient: none

Third Ingredient: none