



### SECTION 1: Product Identification

Chemical Name:	Sodium hexachloroiridate (IV) hexahydrate, 99%
Product Number:	514
CAS Registry Number:	19567-78-3
Formula:	Na <sub>2</sub> IrCl <sub>6</sub> ·6H <sub>2</sub> O
EINECS Number:	none
Chemical Family:	halometallate salts
Synonym:	Disodium hexachloroiridate

### SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	19567-78-3	100	no data	no data

### SECTION 3: Hazards Identification

Emergency Overview:	Irritating to the respiratory tract, skin and eyes. May be harmful if swallowed.
Primary Routes of Exposure:	Contact with skin and eyes. Inhalation of dust.
Eye Contact:	Causes slight to mild irritation of the eyes.
Skin Contact:	Causes slight to mild irritation of the skin.
Inhalation:	Irritating to skin, eyes and respiratory tract.
Ingestion:	No information is available on the physiological effects of ingestion.
Acute Health Effects:	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. Material is non-flammable.
Special Fire Fighting Procedures:	No special fire fighting procedures required.
Hazardous Combustion and Decomposition Products:	If involved in a fire this material may emit toxic fumes of hydrogen chloride.
Unusual Fire or Explosion Hazards:	No unusual fire or explosion hazards.
<b>SECTION 6: Accidental Release Measures</b>	
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.
<b>SECTION 7: Handling and Storage</b>	
Handling and Storage:	Store solid in a tightly sealed container away from moisture. Handle under a dry atmosphere of air or nitrogen. Prolonged exposure to the atmosphere may degrade the product.



## 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 protective clothing and gloves. Consult with glove manufacturer to determine the proper type of glove.
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:	red to black powdr.
Molecular Weight:	450.91 (559.01)
Melting Point:	600°C dec.
Boiling Point:	no data
Vapor Pressure:	no data
Specific Gravity:	no data
Odor:	none
Solubility in Water:	soluble

## SECTION 10: Stability and Reactivity

Stability:	hygroscopic
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	contact with moisture
Incompatibility:	active metals
Decomposition Products:	sodium chloride, chlorine, iridium metal, oxide, chloride, water, hydrochloric acid.

## 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
<b>SECTION 12: Ecological Information</b>	
Ecological Information:	No information available
<b>SECTION 13: Disposal Considerations</b>	
Disposal:	Dispose of according to local, state and federal regulations.
<b>SECTION 14: Transportation</b>	
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
<b>SECTION 15: Regulatory Information</b>	
TSCA:	Not listed in the TSCA inventory.



SARA (Title 313): Title compound not listed.

Second Ingredient: none

Third Ingredient: none