



SECTION 1: Product Identification

Chemical Name:	Iridium (III) chloride hydrate(99.9%-Ir)
Product Number:	501
CAS Registry Number:	14996-61-3
Formula:	$\text{IrCl}_3 \cdot \text{XH}_2\text{O}$
EINECS Number:	none
Chemical Family:	metal halide
Synonym:	Iridium trichloride hydrate

SECTION 2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	14996-61-3	100	no data	no data

SECTION 3: Hazards Identification

Emergency Overview:	No notable hazards reported for this material. Unrecognized hazards may be present. Irritating to skin and eyes. May be harmful if swallowed.
Primary Routes of Exposure:	Contact with skin and eyes. Inhalation of dust.
Eye Contact:	Irritant to the eyes.
Skin Contact:	Causes slight irritation of the skin.
Inhalation:	Inhalation of dust can lead to irritation of the respiratory tract.
Ingestion:	No information is available on the physiological effects of ingestion.
Acute Health Effects:	Irritating to skin and eyes.
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.

SECTION 5: Fire Fighting Measures

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:	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.
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SECTION 7: Handling and Storage

Handling and Storage:	Store solid in a tightly sealed container.
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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 xtl.
Molecular Weight:	298.58
Melting Point:	no data
Boiling Point:	no data
Vapor Pressure:	not applicable
Specific Gravity:	no data
Odor:	none
Solubility in Water:	very soluble

SECTION 10: Stability and Reactivity

Stability:	air and moisture stable
Hazardous Polymerization:	no hazardous polymerization
Conditions to Avoid:	none
Incompatibility:	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

Tetratogenic 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: Not listed in the TSCA inventory.

SARA (Title 313): Title compound not listed

Second Ingredient: none

Third Ingredient: none