



An ISO 9001 : 2008 Certified Manufacturing Co.

**Infinium
Pharmachem
Pvt. Ltd.**

Corporate Office Address

Suite # 205, Sigma Prime, Second Floor Nr. Sardar Patel Statue
Vallabh Vidyanagar, Dist. Anand - 388 121 Gujarat, India.

Tel/ Fax : ++91-2692-238849 , 238850

Email: info@infiniumpharmachem.com infinium_11@yahoo.com

Web : www.infiniumpharmachem.com

R.O. & Factory Address:-

Plot No.38 - 39 GIDC Sojitra - 387240 Dist. Anand
Gujarat - India Tel / Fax : ++91-2697- 234987

MATERIAL SAFETY DATA SHEET

COPPER IODIDE

1.1 Product Identifiers:

Product Name : copper Iodide

Product Codes : XXXX

CAS No : 7681-65-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Supplier : Infinium Pharmachem Pvt. Ltd.(AN ISO 9001:2008 CERTIFIED CO.)
38, G.I.D.C, Sojitra

Dist: Anand

Gujarat, India

Tel : 0091-2697-234987

Fax : 0091-2697-234987

Email : info@infiniumpharmachem.com

Synonyms: Copper (I) Iodide; Kupferiodid; Ioduro de cobre; Iodure de cuivre; Copper monoiodide; Cuprous iodide; Hydro-Giene

CAS No. : 7681-65-4

Molecular Weight : 190.45

Chemical Formula : CuI



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3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity -single exposure (Category 3), H335

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 15

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn, N Harmful, Dangerous for the

R22, R36/37/38, R50/53

Environment

For the full text of the R-phrases mentioned in this Section, see Section 15

3.2 Label elements

Labeling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P261 Avoid breathing dust.

P273 Avoid release to the environment.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard none



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Statements

3.3 Other hazards-none

4.1 Description of first aid measures

Eye Contact:

- Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:

- After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.
- Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Serious Skin Contact:

- Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:

- Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

- Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

4.2 Most Important symptoms & efforts, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section no 3.3) or section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5.1 Extinguishing Media

Use suitable extinguishing media for surrounding materials and type of fire.

5.2 Special Fire Fighting Procedures



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Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

5.3 Unusual Fire & Explosion Hazard

When heated to decomposition, copper iodide may emit toxic fumes of hydrogen iodide and iodine compounds. Can react violently with potassium. Light sensitive.

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7.1 Precautions for safe handling

Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

7.2 Conditions for safe Storage, including any incompatibilities

Do not store in direct sunlight. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8.1 Control parameters

Components with workplace control Parameters.

8.2 Exposure Controls



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Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Copper(I) iodide	none listed	none listed	none listed

OSHA Vacated PELs: Copper (I) iodide: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9.1 Information on Basic physical & chemical properties

Physical State	:	Solid
Appearance	:	white to gray-beige
Odor	:	Not available.
pH	:	Not available.
Vapor Pressure	:	10 mm Hg
Vapor Density	:	Not available.
Evaporation Rate	:	Not available.
Viscosity	:	Not available.
Boiling Point	:	1290 deg C
Freezing/Melting Point	:	605 deg C
Auto ignition Temperature	:	Not applicable.
Flash Point	:	Not applicable.
Decomposition Temperature	:	Not available.
Explosion Limits, Lower	:	Not available.
Upper	:	Not available.
Solubility	:	Insoluble in water.
Specific Gravity/Density	:	5.6200



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Molecular Formula : CuI
Molecular Weight : 190.4505

9.2 Other safety Information

No data available

10.1 Chemical Stability:

Stable under normal temperatures and pressures.

10.2 Conditions to Avoid:

High temperatures, incompatible materials, light, dust generation.

10.3 Incompatibilities with Other Materials:

Oxidizing agents, alkali metals, potassium, and acetylene.

10.4 Hazardous Decomposition Products:

Hydrogen iodide, iodine.

10.5 Hazardous Polymerization:

Will not occur.

11.1. Information on toxicological effects

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: The substance is toxic to mucous membranes.

Other Toxic Effects on Humans:

Very hazardous in case of ingestion.

Hazardous in case of skin contact (irritant), of inhalation.



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Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12.1 toxicity

Toxicity to fish LC 50 – Danio rerio(zebra fish)- 0.4 mg/l -96 h

BOD5 and COD: Not available.

12.2 Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

DOT:

Symbols : G
Hazard class or Division : 9
Identification Numbers : UN3077
PG : III
Quantity limitations : Passenger

Air Transport IATA:

ICAO/IATA Class : 9
ICAO/IATA Sub risk : None
UN/ID Number : 3077
Packing Group : III

Maritime Transport IMDG:

IMDG Class : 9
IMDG Sub risk : None
UN Number : 3077



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Packing Group : III
EMS Number : F-A, S-F
Marine Pollutant : Yes

Federal and State Regulations: TSCA 8(b) inventory: Cuprous iodide

Other Regulations: Not available

Other Classifications:

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Irrit.	Eye irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Full text of R-phrases referred to under sections 2 and 3

N	Dangerous for the environment
Xn	Harmful
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

WHMIS (Canada): Not controlled under WHMIS (Canada).

MSDS Creation Date: 01-01-2015

Revision #1 Date: 31-12-2017

Disclaimer:

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