

## SAFETY DATA SHEET

Cupron SNOW WHITE™ Powder

SDS DATE: 07/07/2025

### SECTION 1: Identification of the substance and of the company

1.1 Product identifier:

Product name: Cupron SNOW WHITE™ Powder  
Synonyms: Copper (I) Iodide, Cuprous Iodide

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

Use of the substance Copper Additive for polymer industry

1.3 Details of the supplier of the safety data sheet

SUPPLIER:

Company name: Cupron, Inc.  
ADDRESS: 4329 November Avenue,  
Richmond, VA 23231, United States of America  
Dr. Chenyu Wang  
+1 (804) 787-3385

1.4. Emergency Telephone number

EMERGENCY PHONE: +1 (804) 787-3385

### SECTION 2: Hazards identification

#### OSHA/HCS Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910).

#### Classification of the substance or mixture

ACUTE TOXICITY (ORAL) - Category 4

SKIN IRRITATION - Category 2

SERIOUS EYE DAMAGE - Category 1

SKIN SENSITIZATION – Subcategory 1A

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE, ORAL) – Category 1, Thyroid

SHORT-TERM AQUATIC HAZARD (ACUTE) – Category 1

LONG-TERM AQUATIC HAZARD (CHRONIC) – Category 1

#### Hazard pictograms





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### Signal word

Danger

### Hazard Statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H372 Causes damage to organs (Thyroid) through prolonged or repeated exposure if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary Statements

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P314 Get medical advice/ attention if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse. P391 Collect spillage.

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

### HMIS RATING:

Health – 2      Flammability – 0      Reactivity – 0      Personal Protection – E

## SECTION 3: Composition/Information on ingredients

CHEMICAL INGREDIENT	Cuprous iodide	% BY WEIGHT	99%
C.A.S. NUMBER	7681-65-4	% METAL	34 Cu



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### SECTION 4: FIRST AID MEASURES

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If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Wash skin with soap and water.

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### SECTION 5: FIRE-FIGHTING MEASURES

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**FLASHPOINT/METHOD:** N/A    **FLAMMABLE LIMITS:**    **LEL:** N/A    **UEL:** N/A

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Foam, Dry Chemical or Water Spray.

**SPECIAL FIREFIGHTING PROCEDURES:** Use Self-Contained Breathing-Apparatus.

**FIRE AND EXPLOSION HAZARD:** Thermal decomposition may produce toxic iodine compounds.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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#### ACCIDENTAL RELEASE MEASURES:

1. Restrict the area to those persons wearing respiratory protection. Do not allow unprotected people into the area until cleanup has been completed. Ventilate the area thoroughly.
2. Collect the powder in a manner that minimizes further dust generation (i.e., use wet or HEPA vacuum methods). Liquids containing powder should be absorbed in vermiculite, dry sand, or earth before disposal. Keep out of sewers and waterways. If the product enters drains or sewers, immediately inform the local water company. Where there is contamination of streams, rivers or lakes, contact local agency with responsibility for the environment.
3. Recycle or dispose of as waste (section 13).

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### SECTION 7: HANDLING AND STORAGE

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#### HANDLING AND STORAGE:

Keep containers containing powder tightly sealed at all times when not being used. Local exhaust ventilation may be necessary for some operations.

Corrosive to aluminum when wet. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Store in a cool, dry environment in closed containers.

#### OTHER PRECAUTIONS:

Use dust-proof safety goggles. Contact lenses not recommended. Wear suitable protective clothing and gloves. Use NIOSHA/MSHA approved respirator.



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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved respirators if OSHA PEL is exceeded.

**SKIN PROTECTION:** Use impervious glove and body-covering clothing.

**EYE PROTECTION:** Use side-shielded safety glasses or goggles.

**ENGINEERING CONTROLS:** Provide general and/or local exhaust ventilation.

**EXPOSURE GUIDELINES:**

**CHEMICAL INGREDIENT** Cuprous iodide  
1.0 Cu

**OSHA PEL (mg/M3)** 1.0 Cu

**ACGIH TLV (mg/M3)**

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Off-white

powder **ODOR:** Slight iodine

odor **BOILING POINT:** 1290°

C

**VAPOR PRESSURE (mm HG):** N/A

**VAPOR DENSITY (Air = 1):** N/A

**SOLUBILITY IN WATER:**

Negligible **SPECIFIC GRAVITY**

**/ DENSITY:** 5.6 **FREEZING**

**POINT:** N/A

**pH:** N/A

**EVAPORATION RATE:** N/A

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### SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** This product is stable. Hazardous polymerization will not occur.

**INCOMPATIBILITY:** Oxidizing agents.

**HAZARDOUS DECOMPOSITION BY PRODUCTS:** Thermal decomposition may produce toxic iodine compounds.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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Inhalation of dusts and mists of copper iodide may cause irritation of the nose and throat and, on occasion, ulceration with perforation of the nasal septum. If swallowed, copper salts act as stomach irritants, producing nausea, vomiting, stomach pain, gastritis, and diarrhea. Kidney and liver injury have been reported in acute cases of poisoning by copper salts. No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency for Research on Cancer (IARC).

**LD50/LC50 for Cuprous Iodide:**

Oral: rat LD50 = 1290 mg/kg.



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### **SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:** Not available



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### SECTION 13: DISPOSAL CONSIDERATIONS

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#### WASTE DISPOSAL METHOD:

The product should be collected for recycling, or be disposed of in a place where copper is tolerated or needed. Leakage to water should be avoided. Comply with local, state and Federal legislation.

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### SECTION 14: TRANSPORT INFORMATION

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**U.S. Department of Transportation:** Not regulated for transport

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### SECTION 15: REGULATORY INFORMATION

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#### OSHA HAZARD COMMUNICATION STANDARD:

Hazardous due to target organ effects (See Section 3)

**CERCLA/SUPERFUND:** NA

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Section 311/312 Hazard Categories: Acute Health Hazard

#### Section 313- This product contains the following substances subject to 313 reporting:

Copper compound - 99.0%

#### TOXIC SUBSTANCES CONTROL ACT (TSCA):

All components of this product are on the TSCA Inventory unless otherwise noted in Section 2.

#### INTERNATIONAL REGULATIONS:

Registered in Australia (AICS), Canada (DSL), China (IECSC), Europe (EINECS), Japan (ENCS), Korea (KECI), New Zealand (ERMA) and Philippines (PICCS).

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#### DISCLAIMER:

This information is given in good faith based on the best available knowledge of this specific product, however Cupron, Inc. provides no warranties, either expressed or implied, and assumes no responsibility as to the accuracy or completeness of this information. Data on this Material Safety Data Sheet applies only to the product described and may not be relevant to use in combination with other materials, or in any process.

#### Revisions:

2022-11-01 Sections 1.3 & 1.4 updated.

2023-10-13 Header Logo updated.