

SAFETY DATA SHEET

CUPRIC CHLORIDE , DIHYDRATE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: CANUTEC 1-613-996-6666
Chemical Name: Cupric chloride dihydrate
Catalog Number: CUC002

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

CLASSIFICATION:

Acute toxicity, Oral Category 4
Acute toxicity, Dermal Category 4
Skin irritation Category 2
Serious eye damage Category 1
Short-term (acute) aquatic hazard Category 1
Long-term (chronic) aquatic hazard Category 2

PICTOGRAM:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H302 + H312 Harmful if swallowed or in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P302 + P352 + P338 + P313 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell.
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.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage.
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	Cu%
Copper Chloride Dihydrate	10125-13-0	35-38%

Molecular Formula: CuCl₂.2H₂O
Molecular Weight: 170.48

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water , GET MEDICAL ATTENTION
Skin: In case of contact, flush area immediately with water. Remove clothing. GET MEDICAL ATTENTION.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL ATTENTION.
Ingestion: wash mouth with water. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 5 FIRE FIGHTING MEASURES

When dealing with fire wear self-contained breathing apparatus. Avoid hazardous vapors and dust.

Flammable: No
Flash Point: N/A
Autoignition Temperature: N/A
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation. Use in fume hood.
Storage Conditions: Room temperature. Keep away from heat (above 50C) and ignition source.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
Not available
Use adequate ventilation. AVOID DUST GENERATION.
Wear appropriate protective equipment to prevent eye and skin exposure.

SAFETY DATA SHEET

CUPRIC CHLORIDE , DIHYDRATE

Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use NIOSH/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance/odor: blue, Odorless

pH: 3.6 for 0.2M

Vapor density: 5.9

Vapor pressure: N/A

Viscosity: N/A

Freezing /Melting pt.: 212F

Boiling pt.: 1819F

Decomposition temp: N/A

Solubility: soluble in water.

Specific Gravity: 2.54

SECTION 10 STABILITY AND REACTIVITY:

Conditions to avoid: dust generation

Stability: Stable at normal room temperature and pressure.

Incompatibility: Violent reactions possible with: Alkali metals Strong oxidizing agents Risk of explosion with: Acetylene Possible formation of: acetylidene

Hazardous Decomposition Products: none known

Hazardous Polymerization: will not occur.

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:

ORL-RAT LD50:584 MG/KG

Teratogenicity: not available

Epidemiology: not available

Reproductive Effects: not available

Neurotoxicity: not available

Mutagenicity: not available

Carcinogenicity: not available

NTP: not available

IARC: not available

SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

TDG UN number: 2802 Class: 8 Packing group: III Proper shipping name:

COPPER CHLORIDE Labels: 8 ERG Code: 154 Marine pollutant: no
IMDG UN number: 2802 Class: 8 Packing group: III EMS No: F-A, S-B
Proper shipping name: COPPER CHLORIDE Marine pollutant : yes Marine pollutant : yes
IATA: UN number: 2802 Class: 8 Packing group: III Proper shipping name: Copper chloride

SECTION 15 REGULATORY INFORMATION

Classified in accordance with the hazard criteria of the Hazardous Products Regulations

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.