



# HI-VALLEY CHEMICAL

## LABORATORY PRODUCTS

1134 W. 850 N.      CENTERVILLE, UT 84014  
(801) 295-9591      Fax (801) 295-9448  
www.hvchemical.com

## Cupric Nitrate

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Supplier Details:** High Valley Products, Inc.  
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Centerville, Utah 84014

**Phone:** 801-295-9591

**Email:** sales@hvchemical.com

**Internet:** www.hvchemical.com

**Emergency:** PERS: 800-633-8253

### 2 HAZARDS IDENTIFICATION

#### Classification of Substance

##### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Physical, Oxidizing Solids, 2
- Health, Acute toxicity, 4 Oral
- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 1
- Environmental, Hazards to the aquatic environment - Acute, 1

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word: DANGER**

##### GHS Hazard Pictograms:



##### GHS Hazard Statements:

- H272 - May intensify fire; oxidizer
- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H400 - Very toxic to aquatic life

##### GHS Precautionary Statements:

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P220 - Keep away from clothing and other combustible materials.
- P221 - Take any precaution to avoid mixing with combustibles...
- P264 - Wash ... 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 - IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
- P302 + P352 - IF ON SKIN: Wash with plenty of water/...
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do Continue rinsing.
- P310 - Immediately call a POISON CENTER/doctor/...
- P330 - Rinse mouth.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P362 - Take off contaminated clothing.
- P370 + P378 - In case of fire: Use ... to extinguish.
- P391 - Collect spillage.
- P501 - Dispose of contents/container to ...

**3****COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Ingredients		
CAS#	%	Chemical Name
3251-23-8		Cupric nitrate

**4****FIRST AID MEASURES**

- Inhalation:** If inhaled, remove to fresh air and call a physician for instructions. In case of difficulty breathing, use oxygen assistance. Get medical attention if condition is critical.
- Skin Contact:** Wash with soap and water. Consult a physician.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
- Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5****FIRE FIGHTING MEASURES**

Extinguishing media  
Suitable extinguishing media  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture  
No data available

Advice for firefighters  
Wear self-contained breathing apparatus for firefighting if necessary.

Further information  
No data

**6****ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation.

**Environmental precautions:**

Do not let product enter drains.

**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.

**7****HANDLING AND STORAGE**

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage Requirements:** Keep container tightly closed. Store in cool/dry area and well ventilated area.

**8****EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal Protective Equipment:**

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**Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after

use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

**Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method:

**EN374**

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the

supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It

should not be construed as offering an approval for any specific use scenario.

**Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to

the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type

N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the

sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and

approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

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

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TWA 1.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
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**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Blue Crystalline	<b>Odor:</b>	No data available
<b>Particle Size:</b>	No data available	<b>Solubility:</b>	No data available
<b>Specific Gravity or Density:</b>	No data available	<b>Freezing or Melting Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Flash Point:</b>	No data available
<b>Partition Coefficient:</b>	No data available	<b>Volatile organic compound:</b>	No data available
<b>Potentia Hydrogenii:</b>	No data available	<b>Upper Flammability Limit and Lower Flammability Limit:</b>	No data available

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Avoid moisture and heat.
<b>Materials to Avoid:</b>	Reducing agents; organic materials, Powdered metals
<b>Hazardous Decomposition:</b>	No data available

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Information on toxicological effects

Acute toxicity:	LD50 Oral - Rat - 940 mg/kg
Inhalation:	No data available
Dermal:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitisation:	No data available
Germ cell mutagenicity:	Rat, Ascites tumor, Cytogenetic analysis

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

Additional Information

RTECS: GL7875000 Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

Cupric nitrate cas#:(3251-23-8) []

Toxicity:	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life.	

**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

**14 TRANSPORT INFORMATION**

UN1477, Nitrates, inorganic, n.o.s., 5.1, PGII

**15 REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

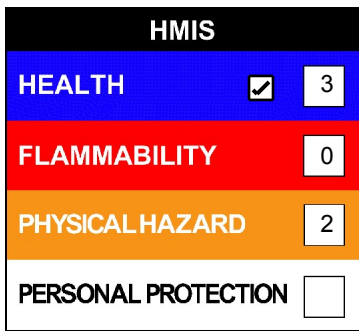
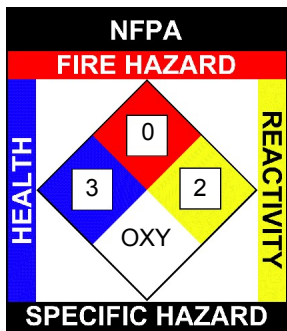
RQ(100LBS), Cupric nitrate (3251-23-8) [n/a%] CERCLA, CSWHS, EPCRAWPC, MASS, PA, TSCA

Regulatory CODE Descriptions

- RQ = Reportable Quantity
- CERCLA = Superfund clean up substance
- CSWHS = Clean Water Act Hazardous substances
- EPCRAWPC = EPCRA Water Priority Chemicals
- MASS = MA Massachusetts Hazardous Substances List
- PA = PA Right-To-Know List of Hazardous Substances
- TSCA = Toxic Substances Control Act

**16 OTHER INFORMATION**

**NFPA:** Health = 3, Fire = 0, Reactivity = 2, Specific Hazard = OXY  
**HMIS III:** Health = 3(Chronic), Fire = 0, Physical Hazard = 2



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Revision Date: 5/1/2011