

COPPER SOLUTION MSDS

Label Content Code = C2062

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: AngelGilding.com
619 Clarence Ave.
Oak Park IL 60604 USA
24-hour Emergency Phone: 708-383-3340
Product Name: Copper Solution - Ready-To-Use – C2062

Section 2: INGREDIENT INFORMATION

Synonyms	C.A.S.	Formula:	Formula Weight:	Percent
COPPER(II) chloride, cupric chloride	10125-13-0	CuCl ₂	170.48	6

Section 3: HAZARD IDENTIFICATION

Emergency Overview: Mild irritant and corrosive.

Protective Equipment: Chemical safety goggles. Rubber gloves and rubber apron may be worn.

Section 4: FIRST AID MEASURES

Potential Health Effects:

- Inhalation:** Remove person to fresh air and call a physician. If not breathing, administer artificial respiration. Get medical attention.
- Ingestion:** Toxic - give large amounts of milk or water. Do not give liquids to an unconscious person. Contact a physician.
- Skin Contact:** Wash thoroughly with soap and water. Call a physician if irritation persists. Remove and wash contaminated clothing before reuse. Remove and destroy contaminated shoes.
- Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes. Hold eyelids apart during irrigation. Call a physician.

Section 5: FIRE FIGHTING MEASURES

Fire: Not considered to be a fire hazard.

Section 6: ACCIDENTAL RELEASE MEASURES

Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Section 7: HANDLING AND STORAGE

Store in plastic drums or plastic storage tank.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits: - not available

OSHA PEL: - not available

ACGIH TLV: - 1 mg/m³ (TWA) soluble iron salt as Fe

Ventilation System: Use positive ventilation.

Skin Protection: All precautions should be taken to prevent skin and eye contact with this material. Design of equipment and operational procedures should be such that the possibility of skin and eye contact does not exist.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green solution
Odor:	Pungent
Solubility in water:	Complete
Density (g cm⁻³):	1.1
Boiling Point: °C	100
Melting Point (°C):	0

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Hydrochloric acid
Incompatibilities:	Bases, cellulose, starch, paper, metals, hydrazine and nitromethane.
Conditions to Avoid:	Incompatibles.

Section 11: TOXICOLOGICAL INFORMATION:

Oral rat LD50:	Not available
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Section 12: ECOLOGICAL INFORMATION

Environmental Toxicity:	Copper compounds are very toxic to aquatic life. May be dangerous if it enters the public water systems. Follow local regulations. Toxic to fish and plants.
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Section 13: DISPOSAL CONSIDERATIONS:

Comply with Federal, State, and local regulations on reporting spills. Do not wash away the solution. Recover. If product is in a confined solution, react with Soda Ash to form an insoluble Copper Carbonate solid that can be scooped up. Do not reuse container. Vacuum up solutions or scoop up insoluble Copper Carbonate and dispose of in an approved landfill.

Section 14: TRANSPORT INFORMATION:

Proper Shipping Name:	RQ Corrosive Liquid, Acidic, Inorganic, N.O.S. (Cupric Chloride- Hydrochloric Acid)
Hazard Class:	8
UN/NA:	UN3264
Packing Group:	II
Information reported for product/size:	1 liter

Section 13: REGULATORY INFORMATION:

Known to the State of California to cause cancer (Y/N): N

Controlled Products Regulations:

This product contains the following substance subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: COPPER Approximately 6%

Section 14: OTHER INFORMATION

Product Use: Commercial mirroring

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Revision date: January 17, 2011

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