

COPPER COMPLEXER MSDS

Label Content Code = C2063

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 Complexer – Ready-To-Use – C2063

Section 2: INGREDIENT INFORMATION

Synonyms	C.A.S.	Formula:	Formula Weight:	Percent
Rochelle Salt	6381-59-5	KNaC ₄ H ₄ O ₆ · 4H ₂ O	282.22	24
Sucrose	57-50-1	C ₁₂ H ₂₂ O ₁₁	342.3	10
Glycerol	56-81-5	C ₃ H ₅ (OH) ₃	92.1	7

Section 3: HAZARD IDENTIFICATION

Emergency Overview:

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. HIGH CONCENTRATIONS MAY IRRITATE EYES AND RESPIRATORY TRACT. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY AFFECT KIDNEYS.

SAF-T-DATA Ratings

Health Rating: 2 - Moderate (Life)
Flammability Rating: 2 - Moderate
Reactivity Rating: 1 - Slight
Contact Rating: 1 - Slight
Protective Equipment: GOGGLES; LAB COAT; PROPER GLOVES
Storage Color Code: Green (General Storage)

Potential Health Effects:

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Ingestion: Low toxicity. Large oral doses may cause irritation to the gastrointestinal tract. May cause sore throat, abdominal pain, nausea, headache and diarrhea.

Skin Contact: Corrosive. Symptoms of redness, pain, and severe burn can occur.
Eye Contact: Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burns.
Chronic Exposure: Repeated ingestion may cause liver damage. Prolonged exposure of the eyes may cause discoloration.

Section 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Section 5: FIRE FIGHTING MEASURES

Fire: Flash point: 199C (390F) CC. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion: Above flash point, vapor-air mixtures may cause flash fire.

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified above. Spills: Sweep up and containerize for reclamation or disposal. Do not use combustible materials, such as saw dust. Do not flush to sewer!

Section 7: HANDLING AND STORAGE

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

OSHA PEL: - not available

Respirable fraction- 5 mg/m³

ACGIH TLV: 10 mg/m³ (TWA), A4 - Not classifiable as a human carcinogen

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless liquid
Odor:	
Solubility in water:	Complete
Density (g cm⁻³):	1.1
pH	7-8
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:	Carbon dioxide and carbon monoxide may form when heated to decomposition. Toxic gases and vapors may be released if involved in a fire. Glycerol decomposes upon heating above 290C, forming corrosive gas (acrolein).
Incompatibilities:	Acids, calcium or lead salts, silver nitrate, magnesium sulfate, oxidizers, sulfuric acid and nitric acid. Can react violently with acetic anhydride, calcium oxychloride, chromium oxides and alkali metal hydrides.
Conditions to Avoid:	Heat, flames, ignition sources and incompatibles.

Section 11: TOXICOLOGICAL INFORMATION:

Oral rat LD50:	
Mutagen:	Investigated
Reproductive effector:	Investigated

Section 12: ECOLOGICAL INFORMATION

Environmental Fate:	When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is not expected to evaporate significantly. When released into water, this material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition.
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Section 13: DISPOSAL CONSIDERATIONS:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: TRANSPORT INFORMATION:

Not regulated.

Section 13: REGULATORY INFORMATION:

TSCA:	EC:	Japan:	Australia:	Korea:	Canada
Y	Y	Y	Y	Y	Y

Section 14: OTHER INFORMATION

Health:	NFPA Ratings: Flammability:	Reactivity:
1	1	0

Label Hazard Warning: CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY AFFECT KIDNEYS

Label Precautions: Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.

Label First Aid: If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Product Use: Commercial mirroring

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Revision date: January 18, 2011

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