

Section 1. Product and Company Identification

Product Name Copper Acetate
CAS Number 6046-93-1

Parchem - fine & specialty chemicals
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Section 2. Hazards Identification

Classification of the substance or mixture

Classification of the chemical

Green solid. Odorless.

Most important hazards: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012). Hazardous classification:

Acute toxicity - Oral - Category 4

Skin corrosion/irritation -Category 2

Eye damage/irritation - Category 2A

Specific target organ toxicity - single exposure - Category 3

WHMIS information: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Canadian Controlled Products Regulations (CPR). WHMIS classification: Class D2B (Materials Causing Other Toxic Effects, Toxic Material)

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

Harmful if swallowed.

Causes serious eye irritation.

Causes skin irritation.

May cause respiratory irritation



Precautionary Statements

Wash hands and face thoroughly after handling.
Avoid breathing dust and fume.
Use only outdoors or in a well-ventilated area.
Do not eat, drink or smoke when using this product.
Wear protective gloves and eye/face protection.
Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Dispose of contents/container in accordance with local regulation.

Ingestion: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin Contact: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Section 3. Composition / Information on Ingredients

Common Name Copper Acetate
Synonym(s) Cupric Acetate
CAS Number 6046-93-1

COMPONENT	CAS NUMBER	CONCENTRATION
Copper Acetate	6046-93-1	60.0 - 100.0%

Section 4. First Aid Measures

Description of first-aid measures

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

Inhalation: Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.

Skin Contact: Wash affected areas with soap and water. Get medical attention if irritation develops and persists.

Eye Contact: Flush with large amounts of water for 15 minutes. If irritation or symptoms develop, seek medical attention.

Most important symptoms and effects, both acute and delayed: May cause eye irritation. Symptoms may include tearing, redness and discomfort. May cause skin irritation. Redness, swelling, itching, and dryness. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Inhalation of fumes may result in metal fume fever, a flu-like illness.



Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Prolonged or repeated overexposure may cause liver, kidney and blood system effects.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide, and dry chemical.

Unsuitable extinguishing media: Do not use water jet, as this may spread burning material.

Special hazards arising from the substance or mixture/Conditions of flammability:

None known or reported by the manufacturer.

Flammability classification (OSHA 29 CFR 1910.106): Not flammable.

Explosion Data: Sensitivity to Mechanical Impact / Static Discharge: Not expected to be sensitive to mechanical impact or static discharge.

Hazardous combustion products: Copper oxides, Carbon oxides, and irritating fumes and smoke

Special protective equipment and precautions for firefighters

Protective equipment for firefighters: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn.

Special firefighting procedures: Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Dike for water control. Do not allow run-off from firefighting to enter drains or water courses.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental Precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

Methods and material for containment and cleaning up: Ventilate the area. Prevent further leakage or spillage if safe to do so. Sweep up or vacuum up spillage and collect in suitable container for disposal. Contact the proper local authorities.



Special spill response procedures: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
US CERCLA Reportable quantity (RQ): Cupric acetate (100 lbs/45.4 kg)

Section 7. Handling and Storage

Precautions for Safe Handling: Use in a well-ventilated area. Wear chemically resistant protective equipment during vapor or mist. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Keep away from metals and incompatibles. Label containers appropriately. Wash thoroughly after handling. Keep containers closed when not in use.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area. Store in corrosion-resistant containers.

Incompatible materials: Strong acids.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

ACGIH TLV - TWA: Not available

ACGIH TLV - STEL: Not available

OSHA PEL - PEL: Not available

OSHA PEL - STEL: Not available

Exposure Controls

Ventilation and engineering measures: If product is processed in a manner that generates dusts or fumes, provide mechanical ventilation to control airborne exposure levels.

Respiratory protection: Respiratory protection is required if the concentrations exceed the TLV. Use a NIOSH approved dust respirator if dust levels exceed exposure limits. Seek advice from respiratory protection specialists.

Skin Protection: Impervious gloves must be worn when using this product. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye/Face Protection: Chemical goggles must be worn to prevent dusts from entering the eyes.

Other Protective Equipment: Wear chemically protective gloves (impervious), boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

General Hygiene Considerations: Do not breathe fumes or dusts. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke, or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.



Section 9. Physical and Chemical Properties

Appearance: Green solid

Odor: Odorless

Odor Threshold: No information available

pH: 5 - 6

Melting/Freezing Point: 115°C (239°F)

Initial Boiling Point/Range: No information available

Flash Point: No information available

Evaporation Rate (Butyl Acetate = 1): No information available

Flammability (solid, gas): The product is not flammable

Lower Flammable Limit: Not applicable

Upper Flammable Limit: Not applicable

Oxidizing Properties: None known

Explosive Properties: Not explosive

Vapor Pressure: No information available

Vapor Density: No information available

Relative Density/Specific Gravity: No information available

Solubility in water: Soluble

Other solubility(ies): No information available.

Partition coefficient (n-Octanol/water): No information available.

Auto-ignition temperature: No information available.

Decomposition temperature: 240°C (464°F)

Viscosity: No information available.

Volatiles (% by weight): No information available

Volatile organic Compounds (VOC's): No information available.

Absolute pressure of container: Not applicable

Flame projection length: Not applicable

Other physical/chemical comments: No additional information

Section 10. Stability and Reactivity

Reactivity: Not normally reactive

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to Avoid: Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials.

Incompatible Materials: Strong Acids

Hazardous Decomposition Products: None known, refer to hazardous combustion products in Section 5.



Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation: Yes

Skin & Eye: Yes

Ingestion: Yes

Skin Absorption: Yes

Potential Health Effects

Signs and symptoms of short-term (acute) exposure

Inhalation: May cause irritation to the nose, throat and upper respiratory tract. Symptoms may include coughing, choking and wheezing. Inhalation of fumes may result in metal fume fever, a flu-like illness. Symptoms of metal fume fever may include fever, fatigue, vomiting, muscle aches and shortness of breath.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause liver effects.

Skin: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Skin corrosion/irritation: Category 2

Causes skin irritation.

Eyes: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Eye damage/irritation: Category 2A

Causes serious eye irritation. Prolonged exposure may cause eye damage.

Potential Chronic Health Effects: Prolonged or repeated contact may cause drying, cracking and defatting of the skin. Liver injury may occur

Mutagenicity: Not expected to be mutagenic in humans

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Reproductive Effects & Teratogenicity: Not expected to have other reproductive effects.

Sensitization to Material: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects: Target Organs: Eyes, skin, respiratory system and digestive system.

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Specific target organ toxicity - single exposure- Category 3

May cause respiratory irritation.

Irritancy: May cause eye, skin and respiratory tract irritation.

Medical conditions aggravated by overexposure: Pre-existing skin, eye and respiratory disorders.

Synergistic materials: No information available.

Toxicological data: See below for toxicological data on the substance.



LC50 (4hr) - Inhalation, Rat: Not available
LD50 (4hr) - Oral, Rat: 710 mg/kg
LD50 (4hr) - Dermal, Rabbit: Not available

Other Important Toxicological Hazards: See Section 3 for additional information

Section 12. Ecological Information

Ecotoxicity: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Toxicity to Fish

LC50 (96h): 0.14 mg/L (Fathead Minnow)
NOEC (21 day): Not Available
M Factor: None

Toxicity to Daphnia

EC50 (48h): Not Available
NOEC (21 day): Not Available
M Factor: None

Toxicity to Algae

EC50 (96h or 72h): Not Available
NOEC (96h or 72h): Not Available
M Factor: None

Persistence and degradability: Biodegradation is not applicable to inorganic materials

Bioaccumulation Potential: No data is available on the product itself

Mobility in Soil: No data is available on the product itself

Other Adverse Environmental Effects: No data is available on the product itself

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

TDG

UN Number: UN3077

Proper Shipping Name: Environmentally Hazardous Substance,
Solid, N.O.S. (Cupric Acetate)

Hazard Class: 9

Packing Group: III



49CFR/DOT

UN Number: UN3077

Proper Shipping Name: Environmentally Hazardous Substance,
Solid, N.O.S. (Cupric Acetate)

Hazard Class: 9

Packing Group: III

Additional Information: This material is not regulated for transport to, from or within the United States unless individual packages contain material equal to or greater than the US CERCLA reportable quantity shown in Section 6. RQ = (100 lbs / 45.4 kg)

Special precautions for user: Appropriate advice on safety must accompany the package.

Environmental hazards: See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: This information is not available

Section 15. Regulatory Information

US Federal Information

Components listed below are present on the following U.S. Federal chemical lists:

TSCA Inventory: Not Listed

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): Not applicable

SARA Title III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: Not applicable

SARA Title III: Sec. 313, 40 CFR 372, Specific Toxic Chemical

Toxic Chemical: No

De minimus Concentration: Not applicable

SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard; Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws

State "Right to Know" Lists

California: No

Massachusetts: No

Minnesota: No

New Jersey: No

Pennsylvania: No

Rhode Island: No

California Proposition 65

Listed: No



Type of Toxicity: Not Applicable

Canadian Information

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Refer to Section 2 for a WHMIS Classification for this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

International Information

Components listed below are present on the following International Inventory list:

European EINECs: Not available

Australia AICS: Present

Philippines PICCS: Present

Japan ENCS: (2)-693

Korea KECI/KECL: Not Listed

China IECSC: Present

New Zealand IOC: HSR004408

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 12/6/2016

