

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: GLMP-0004 Exterior Copper

DISTRIBUTED BY: GOLD LEAF AND METALLIC POWDERS
ADDRESS: 6001 Santa Monica Boulevard
Los Angeles, CA 90038

INFORMATION TEL.: (323) 769-4888

EMERGENCY TEL.: Call CHEMTREC (24 hours)
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)
1-703-527-3887 (Outside Above Area)

SECTION II – HAZARDS IDENTIFICATION

Emergency overview: Danger of serious damage to health by prolonged exposure. Kidney injury may occur.
May cause breathing disorders and lung damage. Harmful in contact with eyes.

Potential short term health effects

Skin: Components of the product may be absorbed into the body through the skin. Substance may cause slight skin irritation.

Eyes: This product may cause slight irritation to the eyes.

Inhalation: Inhalation of dusts may cause respiratory irritation.

Target Organs: Repeated, excessive exposures may cause liver and kidney effects. Eyes. Skin.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	%
Copper	7440-50-8	97-100

Composition comments:
This product is not considered to be carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION IV – FIRST AID MEASURES

First aid procedures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact: Wash with water and soap as a precaution.

Inhalation: If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion: If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting without medical advice.

Notes to physician Symptoms may delayed

General Advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION V – FIRE FIGHTING MEASURES

Flash Point:	Not available
Auto-ignition temperature	Not available
Suitable extinguishing media	Use water to cool fire-exposed containers and to protect personnel. Dry chemical, soda ash or lime. Carbon dioxide (CO ₂).
Fire fighting equipment/instructions	Move containers from fire area if you can do it without risk.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Evacuation procedures	Stay upwind.
Environmental precautions	Do not contaminate water.
Methods for cleaning up	Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.
Containment procedures	Prevent entry into waterways, sewers, basements or confined areas.

SECTION VII – HANDLING AND STORAGE

Handling	Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
Storage	Keep in a dry, cool and well-ventilated place.
Chemical Incompatibilities:	Strong alkalis, chlorates, bromates, amines, mineral acids, ammonium salts, potassium nitrate, selenium, sodium peroxide, hydrogen peroxide, sulfur, tellurium, carbon disulfide, chlorine trifluoride, chromic anhydride, fluorine, magnesium, iodates, oxides, nitrates, nitrites, chlorides, palladium, manganese, magnesium plus potassium chlorate, sodium carbonate, sulfates, diborane, chlorinated hydrocarbons

SECTION VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering measures to reduce exposure	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Personal protective equipment	
Eye protection	Wear safety glasses with side shields.
Skin and body protection	Wear suitable protective clothing and eye/face protection.
Respiratory protection	Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.
Hand protection	Protective gloves.
Exposure limits	

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Copper	744-50-8	0.2 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dust and mist as Cu)
--------	----------	---

OSHA - Final Pels - Time Weighted Averages (TWAs)

Copper	744-50-8	0.1 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dust and mist)
--------	----------	---

SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Form	Solid. Liquid.
Boiling Point	4652.6 °F (2567 °C) (calculated)
Density	73 - 75 lbs/gal (calculated)
Specific gravity	8.8 - 9 (calculated)
Volatile organic-wt. %	0% Weight (calculated)

SECTION X – CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability Stable under recommended storage conditions.

Conditions to avoid Heat, flames and sparks.

SECTION XI – TOXICOLOGICAL INFORMATION

Routes of exposure

NIOSH - Pocket Guide - Target Organs

Copper	7440-50-8	respiratory system, skin, liver, kidneys, eyes (increased risk with Wilson's disease)
--------	-----------	---

Subchronic toxicity Kidney injury may occur.

Chronic toxicity Prolonged or repeated exposure may cause lung injury. Repeated or prolonged exposure may cause cause irritation of eyes and skin.

Local Effects Components of the products may be absorbed into the body through the skin.

Symptoms and target organs

NIOSH- Pocket Guide- Target Organs

Copper	7440-50-8	respiratory system, skin, liver, kidneys, eyes (increased risk with Wilson's disease)
--------	-----------	--

Further information Symptoms may be delayed.

SECTION XII- ECOLOGICAL INFORMATION

Ecotoxicity No information available

Environmental effects No data available for this product.

SECTION XII- DISPOSAL CONSIDERATIONS

Disposal instructions

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b) (4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Consult authorities before disposal.

SECTION XIV- TRANSPORT INFORMATION

DOT Not regulated.

IATA Not regulated

IMDG Not regulated

General DOT Regulated Severe Marine Pollutant.

SECTION XV- REGULATORY INFORMATION

Inventories

Country (s) or region	Inventory Name	On inventory
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substance List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Inventory of Chemicals (KICS)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemicals Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the requirements administered by the governing country (s)

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

US federal regulations This product is a " Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA- Hazardous Substances and their Reportable Quantities.

Component	CAS #	Wt.%	Data Value
Copper	7440-50-8		5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches); 2270 kg final RQ (no reporting of releases of this hazardous substances is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches)

CERCLA/SARA- Section 313 - Emission Reporting

Component	CAS #	Wt.%	Data Value
Copper	7440-50-8		1.0 % de minimis concentration

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

New Jersey - Right to Know Hazardous Substance List

Copper	7440-50-8	sn 0528
--------	-----------	---------

Pennsylvania - RTK (Right to Know) List

Copper	7440-50-8	Enviromental hazard
--------	-----------	---------------------

Rhode Island - Hazardous Substance List

Copper	7440-50-8	Toxic
--------	-----------	-------

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 Extremely Hazardous Substance No

Section 311 Hazardous Chemical Yes

Hazard Categories

Immediate Hazard	Yes
Delayed Hazard	Yes
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

HMIS Ratings

Health	1*
Flammability	1
Reactivity	1
Personal protection	E

SECTION XVI- OTHER INFORMATION

Issue date 14-Nov-06
Replaces date 3-Nov-06

Disclaimer of Liability

The information and recommendations provided herein are believed to be accurate at the time of preparation or obtained from sources believed to be reliable. Eckart America Corporation makes no warranty, expressed or implied, concerning this document or the accuracy of the information contained herein.

The information and recommendations contained herein are not intended to relieve the reader of responsibility to investigate and understand the laws, procedures and regulations applicable to the reader's enterprise, nor to relieve the reader of responsibility to comply with laws applicable to the reader's enterprise and place of business and to verify independently the information provided in this document as it may relate to the reader's specific process or application.