

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: GLMP-0002 Fine 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 / See Annex "Hazard (ous) Symbol(s)"

Hazard designation: Classification;	R-Code None	R- Phrases None
Specific hazard(s) Adverse physicochemical effect (s)	No special remarkable hazards.	

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Full text of R-Phrases see under section 16

Chemical characterisation of the ingredients(s) (in the preparation)	Hazard(ous) Ingredient(s):	%weight	CAS-N°	EC-N°	Symbols	R-Code
Name: IUPAC	Copper	90, 80, 70	7440-50-8	2311596		
Name: IUPAC Name: IUPAC	stearic acid	+/- 1%	57-11-4			

SECTION IV – FIRST AID MEASURES

General information: In case of serious disturbances or if symptoms persist, seek medical advice immediately.

On inhalation: Move affected person into fresh air, keep warm and allow to rest.

On contact with skin: Wash off subsequently with soap and water.

On contact with eyes: On contact with the eyes, rinse the eyes with water with the eyelids open for a sufficient length of time. If symptoms persist, consult a doctor.

If swallowed: Rinse mouth out thoroughly with water. Do not induce vomiting.

Self-protection of first aider: None

Information for the doctor: No data available.

SECTION V – FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, ABC - Powders, Carbon dioxide, Dry sand.

Extinguishing media must not be used for safety reasons: Water

Special exposure hazards arising from the substances or preparation itself, combustion products, resulting gases: Not available

Additional information: Not available

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Wear protective equipment (see 8).

Environmental precautions: Do not allow to enter drains / surfaces waters / groundwater.

Method for cleaning up taking up: Remove immediately with rubber shovel and put down in a lockable drum. Do not flush with water or aqueous cleansing agents. If using suction ensure equipment is properly designed and authorised for that purpose or clean up with dry sand.

Additional information:

SECTION VII – HANDLING AND STORAGE

Hints for safe handling:

Protective measure: If local exhaust ventilation is impossible or insufficient, provide sufficient ventilation of the workplace. Avoid contact with skin and eye.

Technical measurements: Not available

Measures to prevent aerosols and dust generation: None

Measures required to protect environment: None

Specific requirements or rules: None

Hints for protection against fire or explosion; None

Further informations: Storage

Technical measures and storage conditions: Keep container tightly closed and dry when not in use. Keep away from any heat sources.

Packaging materials: All

Requirements for storage rooms and vessels: Not available

SECTION VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Limits: Constituents with occupational exposure limits resp. Biological occupational exposure limits requiring monitoring.

Occupational exposure limits: None

Biological occupational exposure limits:

Additional exposure limits under the conditions of use:

Monitoring procedures:

Remarks: Provide adequate ventilation.

Exposure controls:

Occupational exposure control: Not available

Personal protection equipment:

Respiratory protection: Masks are recommended

Hand protection: Gloves

Eye protections: Safety glasses

Protective clothing: Not available

General health and safety measures: Do not eat, drink, smoke or take snuff while working. Avoid contact with eyes, and skin.

Environmental exposure controls: See section 7. No additional measures necessary.

Remark(s): None

SECTION IX – PHYSICAL & CHEMICAL PROPERTIES**General information:****Appearance:**

Physical state: Solid in Powder

Colour: Copper

Odour: Odourless

Important health, safety and environmental information

pH-Value: Not applicable

Physical state change: Not available

Melting-point / range: 850°C

Boiling-point / range: Not available

Decomposition point: Not available

Sublimation point: Not available

Flammability: Not available

Explosion limits in air: None

Lower explosion limit: None

Density: 0,7 Kg/L

Bulk density: 1 - 1,5 Kg/L

Additional information: Not available

Acid value: Not available

Solubility: None

Hydrolysis rate: Not available

Partition coefficient n-octanol water (log p OW): Not applicable

Viscosity: Not applicable

Solvent separation test: Not available

Solvent content (%): Not available

Solid content (%): Not available

Relative vapour density (air = 1): Not available

Vapourization rate: Not available

SECTION X – CHEMICAL STABILITY & REACTIVITY INFORMATION

Conditions to avoid: High temperatures (above 100°C), humidity.

Materials to avoid: Intense reaction with: acids, bases, halogens and halogenated compounds.

Hazardous decomposition products: No hazardous decomposition products known.

Further information: None

SECTION XI – TOXICOLOGICAL INFORMATION**Toxicity test:****Acute toxicity:**

Oral mg/kg Not Harmful

Dermal mg/kg Not Harmful

Inhalative mg/kg

LD50	LC50

Irritant-/corrosive effects:

To skin: None

To eye: None

Sensitization:
 After skin contact None
 After eye contact

Subacute to chronic toxicity:
Carcinogenic, mutagenic and reproductive toxic effects No data available

Other informations: None

SECTION XII- ECOLOGICAL INFORMATION

Ecotoxicity

		LC50	LC0	EC50	EC0	LD50	LD0
Aquatic toxicity:							
Acute fish toxicity:							
Longterm fish toxicity:							
Acute daphnia toxicity:	mg/L	>1000					
Chronic daphnia toxicity:							
Algae toxicity:							
Bacteria toxicity:	mg/L	>1000					
Terrestrial toxicity:							
Plant toxicity:							

Behaviour in waste water treatment plants

Mobility: Copper or bronze changes slowly (after years) in oxides.

Surface degradation

Partition coefficient n-octanol / water 9log p O/W)

Further ecological information: of the solvent.

SECTION XII- DISPOSAL CONSIDERATIONS

Disposal / Waste (product): Disposal in accordance with EC Directive 91/692/EEC.

List of proposed waste codes / waste designations in accordance with EWC: Dispose of by means of special treatment in adequate combustion furnace, in accordance with national and local regulations.

Packages: Dispose of by means of special treatment in adequate combustion furnace, in accordance with national and local regulations.

SECTION XIV- TRANSPORT INFORMATION

Land Transport (ADR/GGVS,RID/GGVE) Proper shipping name;	UN-N°	Class N°	Classification	Packing group	Label	Marine Pol	Remarks
	Not hazardous material as defined by the transport regulation.						

Inland waterway craft

Marine transport IMDG) Proper shipping name;	Not hazardous material as defined by the transport regulation.						

Air transport (ICAO/IATA) Proper shipping name;	Not hazardous material as defined by the transport regulation.						

Transport / Further informations: None

SECTION XV- REGULATORY INFORMATION

Labelling

Hazard (ous) symbol (s) and indication (s) of danger for dangerous substances and preparations:

None

Hazard (ous) component (s) to be indicated on label: symbol (s) and indication (s) of danger for dangerous substances and preparations:

R - phrases:

None

S - phrases:

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In case of insufficient ventilation, wear suitable respiratory equipment

Remark:

Special provisions concerning the labelling of certain preparations:

National regulations

Water hazard class:

Information according 1999/13/EC about limitation of emmissions of volatile organic compounds (VOC - guideline)

SECTION XVI- OTHER INFORMATION

Revelant R-phrases (Number and full text):

Training advice:

None

Recommended restriction(s) on use:

Do not use in household.

Further information:

All changes will be written in Italic.

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