Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (As Used on Label and List) Underglaze
UG-2183

Section I See other data sheets for underglazes that require different or additional information.

Manufacturer's Name Gare, Incorporated

Address (Number, Street, City, State, and ZIP Code) 165 Rosemont Street
Haverhill, MA 01830

Emergency Telephone Number Regional Poison Control Center - Poisonex-Systerm Telephone Number for Information (508) 373-9131

Date Prepared March 1992

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s)) OSHA PEL ACGIH TLV Other Limits Recommended % (Optional)
Copper CAS #7440-50-8 Dusts and mists 1 mg/m3 1 mg/m3

Warning: May be harmful if swallowed. Exposure may cause anemia.
Contains: Soluble copper
Precautions: Avoid ingestion. Wash hands immediately after use. Not for use by children. For further health information contact a poison control center.

Products bearing the HL/CR Health Label/Cautions Required Seal of The Art and Craft Materials Institute, Inc. are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by the Institute's Toxicological Advisory Board. These products are certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236.

Section III — Physical/Chemical Characteristics

Boiling Point Water 212°F Specific Gravity (H2O = 1) 1.36
Vapor Pressure (mm Hg.) N/A Melting Point Above 100°F
Vapor Density (AIR = 1) N/A Evaporation Rate (Butyl Acetate = 1) As water

Solubility in Water Essentially insoluble except for copper portion.
Appearance and Odor Colored liquid, practically odorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Will not burn.
Flammable Limits N/A LEL N/A UEL N/A

Extinguishing Media Not combustible. This is a water based product.
Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

(OSHA 174, Sept. 1985)
Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Stable</th>
<th>Conditions to Avoid</th>
<th>N/A</th>
</tr>
</thead>
</table>

Incompatibility (Materials to Avoid)

None known

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization

May Occur | Conditions to Avoid | N/A |
Will Not Occur | X |

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Yes
Skin? Rare
Ingestion? Yes

Health Hazards (Acute and Chronic)

Acute is rare, usually associated with copper sulfate in large amounts.

None established for chronic.

Carcinogenicity:

Not suspected
NTP? IARC Monographs? For OSHA Regulated?

Signs and Symptoms of Exposure

Nausea, vomiting, diarrhea, malaise

Mechanically abrasive to the eye.

Over exposure may cause skin dryness.

Emergency and First Aid Procedures

For symptoms of over exposure by ingestion, seek immediate medical attention.

Eye contact: Flush with water for 15 minutes. Skin contact: Wash with soap & water.

Steps to Be Taken in Case Material Is Released or Spilled

Clean up with paper towels.

Waste Disposal Method

Follow Federal, State and local regulations for disposal.

Precautions to Be Taken in Handling and Storing

When using do not eat, drink or smoke. Wear a work apron and wash hands immediately after use. Keep out of reach of children. Keep bottle covers properly tightened.

Other Precautions

Do not ingest. Do not create dust.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Do not inhale mist if spraying or making dust. Use NIOSH approved respirator for dusts and mists.

Ventilation

Local Exhaust

When firing kilns:

Mechanical (General): Use proper respirator if spraying

Exhaust spray and mist with booth.

Protective Gloves

If irritation occurs.

Eye Protection

Avoid eye contact.

Other Protective Clothing or Equipment

Wear apron or smock and remove before eating, drinking or smoking.

Work/Hygienic Practices

Maintain personal and work area cleanliness.