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) Gare Underglazes

MANUFACTURER'S NAME
Gare, Inc.

ADDRESS (Number, Street, City, State, and ZIP Code)
165 Rosemont Street

Haverhill, MA 01831

IDENTITY (As Used on Label and List) Gare Underglazes

UG-2144, 2146-48, UG-2179, 2181

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

Manufacturer's Name
Gare, Inc.

Emergency Telephone Number
Regional Poison Control-Poisonex System

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

Haverhill, MA 01831

Date Prepared
January 1990

Revised November 1994

Section II — Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>CAS# 1317-36-8</td>
<td>0.05 mg/m³</td>
<td>0.15 mg/m³</td>
<td>0.19 - 0.6</td>
</tr>
<tr>
<td>Cadmium</td>
<td>CAS# 1306-19-0</td>
<td>0.2 TWA* - 0.6 mg/m³ ceiling</td>
<td>0.05 mg/m³</td>
<td>0.04 - 3.4</td>
</tr>
</tbody>
</table>

*Time weighted average

Section III — Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (Water)</td>
<td>212°F</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.3 - 1.5</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>N/A</td>
</tr>
<tr>
<td>MELTING POINT (AIR = 1)</td>
<td>1000°F</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>as water</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Essentially insoluble</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Colored liquid, practically odorless.</td>
</tr>
</tbody>
</table>

Section IV — Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>Will not burn.</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>N/A</td>
</tr>
<tr>
<td>UEL</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Extinguishing Media
Not combustible. This is a water based product.

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None

(Reproduce locally)
Section V - Reactivity Data

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

Incompatibility (Materials to Avoid) None known

Hazardous Decomposition or Byproducts N/A

Section VI - Health Hazard Data

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic)

Over exposure to lead by ingestion or inhalation may cause anemia, nervous system or kidney damage, or harm to the developing fetus. Over exposure to cadmium may cause kidney or lung damage.

Carcinogenicity:
- NTP: N/A
- IARC Monographs: Cadmium - suspected carcinogen. Lead cancer agent based upon experimental data.
- OSHA Regulated: N/A

Signs and Symptoms of Exposure

- Weight loss, stomach cramps, loss of coordination, joint and muscle pain.

Medical Conditions

Generally Aggravated by Exposure Mechanically abrasive to the eye. Over exposure may cause some skin dryness.

Emergency and First Aid Procedures

- For symptoms of over exposure by ingestion or inhalation, seek immediate medical attention.
- Eye Contact: Flush with water for 15 minutes. Skin contact: Wash with soap-water.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Clean up with dry and damp paper towels.

Waste Disposal Method

Follow Federal, State and Local Regulations for disposal.

Precautions to Be Taken in Handling and Storing

- Other Precautions
  - If pregnant or contemplating pregnancy, use only with professional supervision or avoid use. Maintain personal and work area cleanliness. Do not create dust.

Section VIII - Control Measures

If used in a manner that would generate dust or mist.

Respiratory Protection (Specify Type)

- Do not inhale mist or dust. Use a NIOSH approved respirator for lead dust and mist.

Ventilation

- Local Exhaust
- Mechanical (General): Proper spray booth with filters.

Protective Gloves

If irritation occurs or over cuts and wounds

Eye Protection

Avoid eye contact.

Other Protective Clothing or Equipment

Wear protective clothing that is removed before eating, drinking, smoking or leaving work area.

Work/Hygienic Practices

Wash thoroughly. If spraying is normal or major portion of work routine regular blood lead