GARE 41

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.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*

Gare Glazes containing added Silicon Dioxide
See list on back.

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name	Emergency Telephone Number
Gare Inc.	**Regional Poison Control Center (Poisondex System)**
Address *(Number, Street, City, State and ZIP Code)*	Telephone Number for Information **978-373-9131**
165 Rosemont Street	Date Prepared **November 2004**
Haverhill, MA 01831	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)
***lead CAS# 1317-36-8**	**0.05 mg/m^3**	**0.15 mg/m^3**	**up to 36**	
Silicon Dioxide CAS# 14808-60-7	**1. mg/m^3***	**0.1 mg/m^3***	**up to 20**	

The lead in these glazes has been thermally reacted with other raw materials to form a glass. The glass is ground to produce a powdered frit which is a major component of the glazes.
***Respirable crystalline silica**

***SARA Title III Section 313 Reportable Chemical. This information should be included in all MSDSs that are copied and distributed for this material.**

CAUTION
READ WARNING
CONFORMS TO ASTM D 4236

This material has been evaluated under the provision of LHAMA (Labeling of Hazardous Art Materials Act) and California Proposition 65 by a board certified toxicologist. This product was judged to be (*acutely, chronically*) *toxic or flammable* under the proposed use conditions.

A special warning label is required under the provision of *LHAMA and/or California Proposition 65 (label information).*

The label should state, "Conforms to ASTM D 4236"

Section III—Physical/Chemical Characteristics

Boiling Point **Water**	**212˚F**	Specific Gravity (H_20 = 1)	**1.4 – 1.8**
Vapor Pressure (mm Hg)	**N/A**	Melting Point	**Above 1000˚F**
Vapor Density (AIR = 1)	**N/A**	Evaporation Rate (Butyl Acetate = 1)	**As water**

Solubility in Water **Essentially insoluable**

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**

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid **N/A**
	Stable	x	

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? **No** Ingestion? **Yes**

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. Overexposure to crystalline silica by inhalation may cause lung damage.**

Carcinogenicity NTP? IARC Monographs? OSHA Regulated?

Cancer agent based upon experimental data.

Signs and Symptoms of Exposure **Lead - Weight loss, stomach cramps, loss of coordination, joint and muscle pains. Excessive crystalline silica inhalation may cause breathlessness, cough or sputum producing**

Medical Conditions
Generally Aggravated by Exposure **Mechanically abrasive to the eyes. 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 and water.**

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled **Use wet clean-up methods.**

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 an apron and wash hands immediately after use. Keep out of reach of children. Keep bottle covers properly tightened.**

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 VII—Control Measures

Respiratory Protection *(Specify Type)* **Not for spray application.**

Ventilation	Local Exhaust **When firing kilns.**	Special **N/A**
	Mechanical *(General)* **N/A**	Other **N/A**

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.**

Gare Glazes containing added Silicon Dioxide. ***Gare Glazes which do not contain lead.**

601	1731	7037	7061	7118
900	5001	7038	7069	*91-145N
903	*5100	7041	7072	
1701	7006	7042	7099	
1715	7028	7058	7100	