

GARE 42

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 1300, 1400, 1500, 1600, 4013, 7104

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

Gare Inc.

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

165 Rosemont Street

Haverhill, MA 01831

Emergency Telephone Number

Regional Poison Control Center (Poisondex System)

Telephone Number for Information **978-373-9131**

Date Prepared **November 2004**

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/m³

0.15 mg/m³

14.5

*Cadmium compounds CAS# 1306-19-0

0.2TWA – 0.6 ceiling mg/m³

0.05 mg/m³

5.5

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.

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

*Time weight average



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 (H₂O = 1)

1.5

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 insoluble

Appearance and Odor

Colored liquid, slight earthy odor.

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

(Reproduce locally)

OSHA 174 Sept. 1985

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid N/A
	Stable	x	
Incompatibility (<i>Materials to Avoid</i>) 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 (<i>Acute and Chronic</i>) 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?	IARC Monographs?	OSHA Regulated?
Cadmium – suspected carcinogen. Lead cancer agent based upon experimental data.			
Signs and Symptoms of Exposure Weight loss, stomach cramps, loss of coordination, joint and muscle pains.			
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 overexposure 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.
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Waste Disposal Method	Follow Federal, State and Local regulations for disposal.
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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.
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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.
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Section VII—Control Measures

Respiratory Protection (<i>Specify Type</i>) Not for spray application.			
Ventilation	Local Exhaust	When firing kilns.	Special N/A
	Mechanical (<i>General</i>)	N/A	Other N/A
Protective Gloves		Eye Protection Avoid eye contact.	
If irritation occurs or over cuts and wounds			
Other Protective Clothing or Equipment Wear protective clothing that is removed before eating, drinking, smoking or leaving work area.			
Work/Hygienic Practices Wash thoroughly.			