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) CAS 65997-18-4* (Frit)

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 Thompson Enamel	Emergency Telephone Number 1-859-291-3800
Address (Number, Street, City, State, and ZIP Code) 650 Colfax Ave. Bellevue, KY 41073	Telephone Number for Information 1-859-291-3800 Date Prepared February 1, 2011 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)

Although these products contain some elements which have low TLV values as soluble metal ions, these frits are formed at high temperatures and do not necessarily have any of the properties of their component oxides or metals.

Some reds contain up to 3% cadmium sulfoselenide pigment and some yellows contain up to 3% cadmium sulfide pigment. (opaque reds and yellows only)

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H_2O = 1)	>2.0
Vapor Pressure (mm Hg.)	N/A	Melting Point	>850°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	0%

Solubility in Water 0%

Appearance and Odor Odorless glass except for some reds and yellows which may give off a slight odor when fired (opaque reds and yellows only)

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None	None	N/A	N/A

Extinguishing Media
None

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid: None
	Stable	X	

Incompatibility (*Materials to Avoid*): None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? No Ingestion? Yes

Health Hazards (*Acute and Chronic*): Alkali boro silicate glass. 15 mg/M^3 for inert or nuisance dust.

Carcinogenicity: None NTP? N/A IARC Monographs? N/A OSHA Regulated? No

Signs and Symptoms of Exposure: Dust may irritate eyes. Prolonged exposure may cause irritation to respiratory track.

Medical Conditions Generally Aggravated by Exposure: Not known

Emergency and First Aid Procedures: Remove to dust free fresh air. If irritation develops, call a physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken In Case Material Is Released or Spilled: If not contaminated, scoop up and use. If contaminated, sweep up and discard in suitable container.

Waste Disposal Method: Dispose according to Federal, State, and Local regulations.

Precautions to Be Taken In Handling and Storing: Wear appropriate respirator if 15 mg/M^3 working conditions are exceeded.

Other Precautions:

Section VIII — Control Measures

Respiratory Protection (*Specify Type*): Use NIOSH approved dust respirator.

Ventilation	Local Exhaust: Adequate for dust control.	Special: None
	Mechanical (*General*): Vent dust to collector.	Other: None

Protective Gloves: Use judgement - use work gloves.

Eye Protection: Use judgement - avoid getting enamel in eyes.

Other Protective Clothing or Equipment: Be clean and neat. Wear clean clothes.

Work/Hygienic Practices: No eating or smoking when using enamel.

* U.S.G.P.O.: 1986-491-529/45775