

**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 Use)** CAS 65997-18-4<sup>3c</sup>  
 (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 <b>Thompson Enamel</b>	Emergency Telephone Number <b>1-859-291-3800</b>
Address (Number, Street, City, State, and ZIP Code) <b>650 Colfax Ave.</b>	Telephone Number for Information <b>1-859-291-3800</b>
<b>Bellevue, KY 41073</b>	Date Prepared <b>February 1, 2011</b>
	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 sulfo-selenide 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 <sub>2</sub> O = 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)	None	Flammable Limits	None	LEL	N/A	UEL	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 <sup>3</sup> 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<sup>3</sup> 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/Hygiene Practices: No eating or smoking when using enamel.