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-1409

**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 Us) CAS 65997-18-4\*  
Jewel Effect Lumps Lead Free (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.

<b>Section I</b>	
Manufacturer's Name <b>Thompson Enamel</b>	Emergency Telephone Number <b>1-606/291-3800</b>
Address (Number, Street, City, State, and ZIP Code) <b>650 Colfax Ave.</b>	Telephone Number for Information <b>1-606/291-3800</b>
<b>Bellevue, KY 41073</b>	Date Prepared <b>June 5, 1986</b>
	Signature of Preparer (optional)

**Section II — Hazardous Ingredients/Identify 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 LTV 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.				

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**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**

**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	Special
	<u>Adequate for dust control.</u>	<u>None</u>
	Mechanical (General)	Other
	<u>Vent dust to collector.</u>	<u>None</u>

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/Incompatible Practices No eating or smoking when using enamel.