

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) TempTAB 300, 400, 600, 650, or 700	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.
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Section I – Product Identification

Manufacturer's Name The Edward Orton Jr. Ceramic Foundation	Emergency Telephone Number (614) 895-2663
Address (Number, Street, City, State, & Zip Code) 6991 Old 3C Highway, P.O. Box 2760, Westerville OH 43086 – 2760	Telephone Number for Information (614) 895-2663
Date Prepared 2/27/12	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)
Silica as dust (respirable)		10 mg/m ³		trace
Aluminum Oxide	10 mg/m ³	10 mg/m ³		1-99
Anhydrous Borax	10 mg/m ³	10 mg/m ³		1-50
Borax, 5 mol	10 mg/m ³	10 mg/m ³		1-70
Calcium Carbonate	10 mg/m ³	10 mg/m ³		1-50
Barium Carbonate	.5 mg/m ³ (as Ba)			1-40
Fluorides (inorganic)	2.5 mg/m ³ (as F)			1-10
Silica	10 mg/m ³			1-50

Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.8 – 2.0
Vapor Pressure (mmHg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water Nil			
Appearance and Color Round disk with 1/8" hole in center			

Section IV – Fire And Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures All products except those labeled Fast Fire or PCE contain 4-6% organic material that will oxidize above 300°F			
Unusual Fire and Explosion Hazards N/A			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? N/A	Skin? None Anticipated	Ingestion? None Anticipated
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Health Hazards (Acute and Chronic)

Product is non-hazardous when used as intended. Product should not be ground into dust or ingested.

Product may contain crystalline silica, which may cause cancer, when inhaled, based on animal testing.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure

N/A

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedures

If swallowed, get professional medical help

Section VII – Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled

No specific precautions

Waste Disposal Method

Disposal must meet existing federal, state, and local environmental control for low soluble glass frit - titanium dioxide – silica

Precautions to Be Taken in Handling and Storing

Keep out of reach of children. Wash hands after handling.

Other Precautions

Organic components may produce harmful gases during firing, if not fully oxidized. Also other gases may be produced during firing, therefore, provide adequate ventilation to kiln or kiln area.

Section VIII – Control Measures

Respiratory Protection (Specify Type)

N/A

Ventilation	Local Exhaust N/A	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves

N/A

Eye Protection

N/A

Other Protective Clothing or Equipment

No special requirements

Work/Hygienic Practices

Wash hands after handling