

32921-XXXX

**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

<b>Identity</b> (As used on Label and List) <b>Orton Pyrometric Cones / Bars / TempCheks / Cone Plaques labeled P9000 S-4 50, P9000 L-3 50, P9000 L-4 50</b> <b>Cone boxes are labeled as SSB, LRB, SRB, PCB or BRB followed by the identification number</b>	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 1 – Product Identification**

<b>Manufacturer's Name</b> The Edward Orton Jr. Ceramic Foundation	<b>Emergency Telephone Number</b> (614) 895-2663
<b>Address</b> (Number, Street, City, State, & Zip Code) 6991 Old 3C Highway, P.O. Box 2760, Westerville OH 43086 – 2760	<b>Telephone Number for Information</b> (614) 895-2663
<b>Date Prepared</b> 11/23/21	<b>Signature of Preparer</b> (Optional)

**Section 2 – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	(% (Optional)
Cone Plaques, Tempchek, Pyrometric Cone and Bar Numbers				
022, 021, 020, 019, 018, 017, 016, 015, 014, 013,				
012, 011, 010, 09, 08, 07, 06, 05½, 05, 04, 03, 02,				
01, 1, 2, 3, 4, 5, 5½, 6, 7, 8, 9, 10, 11, 12, 12½, 13,				
13½, 14, 14½, 15, 15½, 16, 17, 18, 19, 20, 21, 23,				
26, 27, 28, 29, 30, 31, 31½, 32, 32½, 33, 34, 35, 36				
37, 38, 39, 40, 41 (Contain 2-65% Silica)				
Silica as dust	10 mg/m <sup>3</sup>	0.025mg/m <sup>3</sup> TWA (respirable dust)		

**DANGER**

May cause cancer by inhalation.

Causes Damage to lungs through prolonged or repeated exposure by inhalation.

**Response:**

If exposed or concerned: get medical advice

**Disposal:**

Dispose of contents/containers in accordance with local regulation

**Prevention**

Do not eat, drink, or smoke when using this product

Do not breath dust

**Section 3 – Physical/Chemical Characteristics**

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.8 – 2.0
<b>Vapor Pressure (mmHg)</b>	N/A	<b>Melting Point</b>	N/A
<b>Vapor Density ( Air = 1)</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A

**Solubility in Water**

Nil

**Appearance and Color**

Solid-Shape of pyramid or rectangular shape – some products contain organic colors for aid in identification

**Section 4 – Fire And Explosion Hazard Data**

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
N/A	N/A	N/A	N/A

**Extinguishing Media**

N/A

**Special Fire Fighting Procedures**

All products except those labeled PCB contain 4-6% organic material that will combust above 300°F

**Unusual Fire and Explosion Hazards**

N/A

**Section 5 – Reactivity Data**

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid -None</b>
	<b>Stable</b>	X	

**Incompatibility (Materials to Avoid)**

N/A

**Hazardous Decomposition or Byproducts**

N/A

<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Conditions to Avoid - none</b>
	<b>Will not Occur</b>	X	

**Section 6 – Health Hazard Data**

<b>Route(s) of Entry:</b>	<b>Inhalation?</b>	<b>Skin?</b>	<b>Ingestion?</b>
	N/A	None Anticipated	None Anticipated

**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.

<b>Carcinogenicity:</b>	<b>NTP?</b>	<b>IARC Monographs?</b>	<b>OSHA Regulated?</b>
	No	No	No

**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 7 – 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 8 – Control Measures****Respiratory Protection** (Specify Type)

N/A

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Special</b>
	N/A	N/A
	<b>Mechanical (General)</b>	<b>Other</b>
	N/A	N/A
<b>Protective Gloves</b>	<b>Eye Protection</b>	
N/A	N/A	
<b>Other Protective Clothing or Equipment</b>		
No special requirements		
<b>Work/Hygienic Practices</b>		
Wash hands after handling		

**Section 9 - Physical and Chemical Properties**

**Appearance:** Pyrometric Cones are three sided elongated pyramids 1” to 2” long. Cone plaques are rectangular clay forms ranging in Length, width, and height between 3”-4”x1”x1/2”. TempChek are ceramic disks 1 1/8” in diameter by 1/4” thick.

**Odor:** none**Vapor Pressure:** none**PH:** neutral**Melting point:** above 1000°F**Freezing point:** none**Flammability:** none**Section 10 – Stability and Reactivity****Reactivity:** None**Chemical Stability:** Stable**Section 11 – Toxicological Information**

Not toxic

**Section 12 – Ecological Information**

None available

**Section 13 – Disposal Considerations**

No precautions known

**Section 14 – Transport Information**

Non-hazardous

**Section 15 – Regulatory Information**

**California Proposition 65:** Crystalline silica (airborne particles of respirable size) is classified as a substance known to the state of California to be a carcinogen

**Section 16 – Other Information**

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Product resources found at [www.ortonceramic.com](http://www.ortonceramic.com)