32919-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

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

| | |
|---|---|
| **Manufacturer's Name**<br>The Edward Orton Jr. Ceramic Foundation | **Emergency Telephone Number**<br>(614) 895-2663 |
| **Address** (Number, Street, City, State, & Zip Code)<br>6991 Old 3C Highway, P.O. Box 2760,<br>Westerville OH 43086 – 2760 | **Telephone Number for Information**<br>(614) 895-2663 |
| **Date Prepared**<br>11/23/21 | **Signature of Preparer** (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 $mg/m^3$ | 0.025$mg/m^3$ 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

| | | | |
|---|---|---|---|
| **Boiling Point** | N/A | **Specific Gravity** ($H_2O$ = 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**
Solid-Shape of pyramid or rectangular shape – some products contain organic colors for aid in identification

## Section 4 – Fire And Explosion Hazard Data

| **Flash Point** (Method Used) | **Flammable Limits** | **LEL** | **UEL** |
|---|---|---|---|
| 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 300ºF

**Unusual Fire and Explosion Hazards**
N/A

## Section 5 – Reactivity Data

| | | | |
|---|---|---|---|
| **Stability** | **Unstable** | | **Conditions to Avoid -None** |
| | **Stable** | **X** | |

**Incompatibility** (Materials to Avoid)
N/A

**Hazardous Decomposition or Byproducts**
N/A

| | | | |
|---|---|---|---|
| **Hazardous Polymerization** | **May Occur** | | **Conditions to Avoid - none** |
| | **Will not Occur** | **X** | |

## Section 6 – Health Hazard Data

| **Route(s) of Entry:** | **Inhalation?** | **Skin?** | **Ingestion?** |
|---|---|---|---|
| | 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.

| **Carcinogenicity:** | **NTP?** | **IARC Monographs?** | **OSHA Regulated?** |
|---|---|---|---|
| | 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

| | | |
|---|---|---|
| **Ventilation** | **Local Exhaust**<br>N/A | **Special**<br>N/A |
| | **Mechanical** (General)<br>N/A | **Other**<br>N/A |

| | |
|---|---|
| **Protective Gloves**<br>N/A | **Eye Protection**<br>N/A |

**Other Protective Clothing or Equipment**
No special requirements

**Work/Hygienic Practices**
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 ¼" 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

Rev 11/23/2021

Product resources found at www.ortonceramic.com