Material Safety Data Sheet

Section I

Manufacturer's Name
The Edward Orton Jr. Ceramic Foundation
Address (Number, Street, City, State, and Zip Code)
6991 Old 3C Highway, P.O. Box 460
Westerville OH 43081-0460

Emergency Telephone Number
(614) 895-2663

Telephone Number for Information
(614) 895-2663

Date Prepared
8/16/95

Signature of Preparer (optional)
Dale A. Prank

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))
OSHA PEL
ACGIH TLV
Other Limits Recommended
% (optional)

Numbers 017, 016, 015, 014, 013, 012, 011, 010, 09, 08

07, 06, 051/2, 05, 04, 03, 02, 01, 1, 2, 3, 4, 5, 6, 7

8, 9, 10, 11, 12, 121/2, 13, 131/2, 14, 141/2, 15, 151/2

16, 17, 18, 19, 20, 21, 23, 26, 27, 28, 29, 30, 31

31, 32, 321/2, 33, 34 contain silica

silica as dust

0.10mg/m³

10-65%

(Time weighted)

Section III — Physical/Chemical Characteristics

Boiling Point
N/A

Specific Gravity (H₂O = 1)
1.8 to 2.

Vapor Pressure (mm Hg.)
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 Odor
Solid — Shape of pyramid or rectangular bar — No. odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)
N/A

Flammable Limits

LEL N/A

UEL N/A

Extinguishing Media
N/A

Special Fire Fighting Procedures

All numbers except those labeled PCE contain 4-6% organic material that will burn above 300°F.

Unusual Fire and Explosion Hazards
N/A
Section V. Reactivity Data

Stability

<table>
<thead>
<tr>
<th>Unstable</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>X</td>
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</tbody>
</table>

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition or Byproducts N/A

Hazardous Polymerization

<table>
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<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td>X</td>
</tr>
</tbody>
</table>

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? N/A

Skin? None anticipated

Ingestion? 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 based on animal data.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated? N/A

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 regulations for low soluble lead 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

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
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<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

Mechanical (General) Other N/A

Protective Gloves N/A Eye Protection N/A

For Protective Clothing or Equipment No special requirements

Work/Hygienic Practices Wash hands after handling