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

| · · · · · · · · · · · · · · · · · · · | | | | | <u>. </u> | | | | | | | |
|---|---|-------------|---|----------------------------------|--|---------|------------|------------|--|--|--|--|
| Identity (As used on Label and List) | | | 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. | | | | | | | | | |
| Orton Pyrometric Cones / Bars / TempCheks / | | | | | | | | | | | | |
| Plaques | | | marked to indicate that. | | | | | | | | | |
| | | | | | | | | | | | | |
| Section I - Product Identification | | | | | | | | | | | | |
| Manufacturer's Name | | | Emergency Telephone Number | | | | | | | | | |
| The Edward Orton Jr. Ceramic Foundation | | | (614) 895-2663 | | | | | | | | | |
| Address (Number, Street, City, State, & Zip Code) | | | Telephone Number for Information | | | | | | | | | |
| 6991 Old 3C Highway, P.O. Box 2760, | | | (614) 895-2663 | | | | | | | | | |
| | Westerville OH 43086 - 2760 | | | Signature of Preparer (Optional) | | | | | | | | |
| Date Prepared 7/14/99 | | | Digitatore | | | , | | | | | | |
| 7/14/99 | | | | | | | | | | | | |
| Section II - Hazardous Ingredients/Identity Information | | | | | | | | | | | | |
| | igreater | 115/1uchti | ty miori | Пач | | Oth | r Limits | (%) | | | | |
| Hazardous Components | Hazardous Components (Specific Chemical Identity: Common Name(s)) | | | L | ACGIH TLV | | mmended | (Optional) | | | | |
| Plaques, TempCheks, and Cone | | | | | | | | | | | | |
| 022, 021, 020, 019, 018, 017, 01 | | | | | | _ | | | | | | |
| 012, 011, 010, 09, 08, 07, 06, 05 | | | | | | | | | | | | |
| 01, 1, 2, 3, 4, 5, 51/2, 6, 7, 8, 9, 1 | | | | | | | | | | | | |
| 131/2, 14, 141/2, 15, 151/2, 16, 17, | | | | | | | | | | | | |
| 26, 27, 28, 29, 30, 31, 311/2, 32, | | | | | | | | | | | | |
| 37, 38, 39, 40, 41 (Contain 2-6: | | | \ | - | | | | | | | | |
| Silica as dust | | | <u> </u> | | 10 mg/m ³ | L | | l | | | | |
| | | | | | | | | | | | | |
| Section III - Physical/Ch | emical (| Characte: | ristics | | | | _, | | | | | |
| Boiling Point | | Specific C | 1.8 - 2.0 | | | | | | | | | |
| Vapor Pressure (mmHg) | | N/A | Melting Point | | | | N/A 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 | | | | | | | | | | | | |
| Solid-Shape of pyramid of rectange | ilai simpo | 301110 p. v | | | | | | | | | | |
| Section IV - Fire And E | rnlasian | Hazard | Data | _ | | | | | | | | |
| Section IV - Fire And E. | LEL | | T | UEL | | | | | | | | |
| Flash Point (Method Used) | Flammab N/A | ļ | N/A | | | N/A | | | | | | |
| N/A Extinguishing Media | 14111 | | | | | | | | | | | |
| 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 | | | | | | | | | | | | |
| All products except those labeled l | ast Fire or | PCE contain | 1 4-6% organ | 11C I | naterial that Wil | . 07.01 | | | | | | |
| Unusual Fire and Explosion Hazards | | | | | | | | | | | | |
| N/A | | | | | | | | | | | | |

| Section V - Reactivi | ty Data | | | | | | | | | | |
|---|---------------------------------------|-------------|---------------------------------------|---------------------------------------|--|--|--|--|--|--|--|
| Stability | Unstable | | Conditions to Avoid | | | | | | | | |
| | Stable | х | | | | | | | | | |
| Incompatibility (Materials to N/A | o Avoid) | 1 | 1 | | | | | | | | |
| Hazardous Decomposition or Byproducts N/A | | | | | | | | | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid | | | | | | | | |
| 1 oryingi ization | Will not Occur | х | | | | | | | | | |
| Section VI - Health Hazard Data | | | | | | | | | | | |
| | | | Chi-2 | | Ingestion? | | | | | | |
| Route(s) of Entry: | Route(s) of Entry: Inhalation? | | Skin? None Anticipat | ari | None Anticipated | | | | | | |
| Health Hazands (Agute and | ealth Hazards (Acute and Chronic) | | | Trone Anticipated Trone Anticipated | | | | | | | |
| Product is non-hazardous when used as intended. Product should not be ground into dust or ingested. | | | | | | | | | | | |
| Product may contain crystall | ne silica, which may | y cause | cancer, when inhale | d, based on | animal testing. | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | |
| Carcinogenicity: | NTP? No | - | IARC Monogr No | raphs? | OSHA Regulated? | | | | | | |
| Signs and Symptoms of Exposure N/A | | | | | | | | | | | |
| Medical Conditions Generally Aggravated by Exposure N/A | | | | | | | | | | | |
| Emergency and First Ald Procedures | | | | | | | | | | | |
| If swallowed, get professional medical help | | | | | | | | | | | |
| Section VII – Precautions for Safe Handling and Use | | | | | | | | | | | |
| Steps to be taken in Case M | iaterial is Released | or Spi | lled | | | | | | | | |
| No specific precautions | | | | | | | | | | | |
| Waste Disposal Method | 0.1.1 | | | or low solub | le glass frit - titanium dioxide | | | | | | |
| | federal, state, and lo | caienv | ironmental control is | or iow solut | ic glass int - thantain dioxido | | | | | | |
| silica Precautions to Be Taken in | Handling and Stor | ring | - | | | | | | | | |
| Keep out of reach of children | Wash hands after | handli | ng. | | <u> </u> | | | | | | |
| Other Bresoutlant | | | | | | | | | | | |
| Organic components may pro | oduce harmful gases | during | firing, if not fully or | xidized. Als | o other gases may be produced | | | | | | |
| during firing, therefore, prov | ide adequate ventila | tion to | kiln or kiln area. | | | | | | | | |
| Section VIII - Contr | | | | <u></u> | والناس والمعاليين للسلسلين وسيدم والتالي | | | | | | |
| Respiratory Protection (Sp | | | | | | | | | | | |
| N/A | Local F | 2 v h a u e | | Specia | <u> </u> | | | | | | |
| Ventilation | N/A | zanaus | | | N/A | | | | | | |
| | | nical ((| General) | Other | | | | | | | |
| | N/A | | · · · · · · · · · · · · · · · · · · · | N/A | | | | | | | |
| Protective Gloves N/A | | | Eye Protection N/A | ion | | | | | | | |
| Other Protective Clothing or Equipment | | | | | | | | | | | |
| No special requirements | | | | | | | | | | | |
| Work/Hygienic Practices | | | | | | | | | | | |
| Wash hands after handling | | | | | | | | | | | |