



FIRED ^{UP} KILNS

and pottery supplies

Safety Data Sheet: Pottery Glazes

Section 1: Identification:

Company Details:

| Address: | Emergency Telephone Number: |
|--|-----------------------------|
| 10 Helen Street, Heidelberg West, 3081, Victoria, Australia www.firedupkilns.com.au | 0473 748 870 |

Product Details

Orton Pyrometric Cones / Bars / TempCheks / Cone Plaques labeled P9000 S-4 50, P9000 L-3 50, P9000 L-4 50 Cone boxes are labeled as SSB, LRB, SRB, PCB or BRB followed by the identification number

Section 2: Hazards Ingredients / Identity Information

| Hazardous Components (Specific Chemical Identity: Common Names(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/m3 | 0.025 mg/m3 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/Chemcial Characteristics

| | | | |
|--------------------------|-----|---------------------------------------|-----------|
| Boiling Point | N/A | Specific Gravity (H2O = 1) | 1.8 – 2.0 |
| Vapor Pressure (mmHg) | N/A | Melting Point | N/A |
| Vapor Density (Air = 1) | N/A | Evaporation Point (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) 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 PCB contain 4-6% organic material that will combust above 300°F | | | |
| 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? 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, when inhaled, based on animal testing. | | | |
| Carcinogenicity: | NTP? No | IARC Monographs? No | OSHA Regulated? 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 | Special |
| | N/A | N/A |
| | Mechanical (General) | Other |
| | N/A | N/A |
| Protective Gloves | | Eye Protection |
| N/A | | N/A |
| Other Protective Clothing or Equipment | | |
| No special requirements | | |
| Work/Hygenic 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 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

Rev 8/8/22

Product resources found at www.ortonceramic.com

It should be noted that the effects from exposure to this product will depend on several factors including:

- frequency and duration of use;
- quantity used; effectiveness of control measures;
- protective equipment used and method of application.

Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

AUSTRALIAN POISONS INFORMATION CENTRE

24 HOUR SERVICE 13 11 26

POLICE / FIRE / AMBULANCE 000