



Inferno Glaze Safety Data Sheet

For Compliance with OSHA’s 29CFR 1911200 and Bill No. 70 WHMIS Communication Standards

Issued June, 2020

SECTION 1 | COMPANY AND PRODUCT IDENTIFICATION

<u>Product Name</u>	<u>Trade Name</u>	<u>Chemical Name</u>
IG-14	IG-14 Refractory Coating	Proprietary Mix
IG-21	IG-21 Refractory Coating	Proprietary Mix
IG-27	IG-27 Refractory Coating	Proprietary Mix

Company Name and Address

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Recommended Uses

Provides a glazing type refractory coating for hard surface refractories in boilers, furnaces, kilns, heat treating furnaces, etc.

SECTION 2 | HAZARDS IDENTIFICATION

Health Hazard Warning

Refractory coatings contain crystalline quartz, some of which is respirable, and this element may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use a NIOSH/MSHA approved respirator where TLV for crystalline quartz is exceeded. IARC Monograph Volume 68 1997 concludes that crystalline quartz may cause cancer in humans.

The National Toxicology Program (NTP), in the 11th Annual Report on Carcinogens, 2005, has included respirable crystalline silica on its list of substances that are “reasonably anticipated to be carcinogens”.

NIOSH has identified crystalline silica as a potential occupational carcinogen using the OSHA classification system outline in 29 CFR 1990.103.



- Hazard Statements: H315 causes skin irritation, H320 causes eye irritation, H320 may cause cancer (inhalation).
- Precautionary Statements: P280 wear eye protection, dust respirator and protective gloves.
- If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists, get medical advice or attention.

SECTION 3 | COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Weight % (Typical)</u>	<u>CAS Number</u>	<u>EC Number</u>
Crystalline Silica	1.6 – 9.6	14808-60-7	238-878-4

SECTION 4 | FIRST AID MEASURES

Route of Entry and First Aid

- Inhalation: Dust may irritate respiratory system. Move away from contaminated areas and consult a physician if breathing difficulties occur. Individuals with known respiratory disease or difficulties should avoid dust.
- Eye Contact: Minor dust quantities may irritate eye tissue. Flush eye(s) thoroughly with water and consult a physician if symptoms persist.
- Skin Contact: No adverse effects are suspected to exist. Wash contaminated area with water and bath soap (optional).
- Ingestion: No negative effects are known to exist for incidental quantities ingested into the stomach. For large quantities, consult a physician for advice.

SECTION 5 | FIRE FIGHTING MEASURES

- Fire: Non-combustible, may liberate carbon dioxide by contact with surrounding fire.
- Extinguishing Media: Any suitable for extinguishing surrounding fire.
- Protective Equipment: Use self-contained breathing apparatus.

SECTION 6 | ACCIDENTAL RELEASE MEASURES

If inadvertently spilled or leaked, reclaim for intended use. Increase ventilation and wear sufficient respiratory protection during sweeping/transportation to appropriate container. If the spilled product needs disposal, consult regulatory authorities. These materials are not considered as hazardous waste.



SECTION 7 | HANDLING AND STORAGE

- Use in well ventilated areas.
- Keep containers sealed when not in use to prevent the buildup of dust in the work area.
- Avoid inhalation of dust as well as skin and eye contact.
- Store in a cool, dry, well ventilated area, keeping containers tightly closed.
- Avoid contact with strong acids and bases.

SECTION 8 | EXPOSURE CONTROLS/PERSONAL PROTECTION

Use NIOSH/MSHA approved dust masks if exposure exceeds TLV or PEL limits below.

<u>Exposure</u>	<u>Limit in mg/Cubic Meter</u>
Respirable Crystalline Quartz	ACGIH-TLV: 0.025
	OSHA-PEL: 0.10
	NIOSH: 0.05

Appearance: White free flowing powder.

pH: 4.0 – 8.0	Flash Point: N/A
Odor: No characteristic odor	Flammability: Non-combustible
Specific Gravity: 1.05 – 1.25	Flammable Limits: N/A
Melting Point: >1500 oC	Auto Ignition Temperature: N/A
Boiling Point: N/A	Vapor Density and Pressure: N/A
Water Solubility: Insoluble	

SECTION 10 | STABILITY AND REACTIVITY

Stability: Stable	Fire and Explosion: Non-existent
Incompatibility: Strong acids/bases	Hazardous Polymerization: Will not occur
Hazardous Decomposition: Non-existent	



SECTION 11 | TOXICOLOGY INFORMATION

This material contains crystalline silica.

- Inhalation: Harmful, danger or damage to health from prolonged exposure through inhalation. Immediate effects include irritation to nose, throat, and respiratory system.
- Ingestion: Ingestion of large amounts of the product could irritate the gastric tract.
- Skin: Skin contact may cause dryness which could lead to irritation.
- Eye: Eye contact may cause irritation and could cause minor abrasions.
- Chronic Effects: Danger or serious damage to health by prolonged exposure from inhalation. Crystalline silica can cause silicosis or other lung diseases from prolonged exposure. These refractory coatings contain crystalline quartz; some of which is respirable.

SECTION 12 | ECOLOGICAL INFORMATION

Ecotoxicity: N/A	Persistence and Degradability: N/A
Bio accumulative Potential: N/A	Mobility: N/A

SECTION 13 | DISPOSAL CONSIDERATIONS

Disposal of material should be done in accordance with local, state, and national regulations.

SECTION 14 | TRANSPORT INFORMATION

Inferno Glaze Refractory Coatings are non-hazardous under DOT regulations.

SECTION 15 | REGULATORY INFORMATION

California Proposition 65: Refractory coatings contain crystalline quartz, some of which is respirable, and trace amounts on a PPT (part per trillion) basis has been detected. Crystalline quartz is recognized by the state of California to be carcinogenic.

SECTION 16 | OTHER INFORMATION

This Safety Data Sheet is believed to be accurate and is based on reliable sources of information. PBBS Equipment Corporation assumes no responsibility for warranties expressed or applied and assumes no liability in connection with the use of this information. The information and data herein must be determined by the user to be in accordance with federal, state and local laws and regulations, including regions outside the jurisdiction of the USA, applies only to this product and does not relate in combination with other materials or in any process. The reported information is subject to change without notice.