

Material Safety Data Sheet

Section 1: Chemical Product

Product Name: Furnace Reagent

CI#: Not available.

Synonym:

Chemical Name: Furnace Reagent

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	Typical % by Weight
Calcium Oxide	1305-78-8	50
Kaolin	1332-58-7	50

Section 3: Hazards Identification

EMERGENCY OVERVIEW

Moderate health risk by inhalation or ingestion. White to gray odorless solid.

Potential Health Effects Eyes:

Severe irritant, may damage eye tissues. Causes redness, tearing, blurred vision, pain.

Skin: Irritant.

Inhalation:

Inhalation of dust is highly irritating. May cause coughing, and sneezing.

Ingestion:

Irritation to mouth and burns to mouth and stomach.

Medical Conditions Aggravated:

People with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

Chronic Overexposure:

Inhalation of dust may cause inflammation of the respiratory passages, ulcers of the mucous membranes, and possible perforation of nasal septum.

Carcinogenicity: None.

Section 4: First Aid Measures

Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Get medical advice if irritation develops.

Skin Contact: Flush with water for at least 15 minutes while removing contaminated clothing. Get medical attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Serious Inhalation: Not available.

Ingestion:

CALL A PHYSICIAN. If swallowed, do NOT induce vomiting. If conscious, give large amounts of water. Follow with diluted vinegar, fruit juice or whites of eggs beaten with water.

Section 5: Fire and Explosion Data

Flammability of the Product: None.

Flash Point: None.

Method Used: Not applicable.

Flammable Limit(% by volume in air):

Lower : None Upper: None.

Auto-ignition Temperature: Not applicable.

Hazardous Combustion Products: None identified.

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire except water.

Firefighting Instructions:

Wear full protective clothing and NIOSH approved self-contained breathing apparatus with full facepiece in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

Small /LargeSpill:

With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Do not generate dust.

Section 7: Handling and Storage

Handling:

Protect from physical damage.

Storage:

Keep container tightly closed. Suitable for any general chemical storage area. Store in a dry area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use general or local exhaust ventilation to meet TLV requirements. RESPIRATORY PROTECTION: Required if TLV exceeded. At concentrations up to 11 ppm, a dust/mist respirator is recommended. Above this level, a self-contained breathing apparatus is advised.

Skin and Hand Protection:

Impervious uniform and gloves recommended. EYE AND FACE PROTECTION: Safety goggles recommended. OTHER PROTECTIVE EQUIPMENT: Eye wash fountain..

Section 9: Physical and Chemical Properties

Physical and Chemical Properties

Appearance:

White to gray solid. BOILING POINT: 5162° F. (2850° C.)

Freeze-melt Point:

4662° F. (2572° C.)

Vapor Pressure(mm): Not applicable.

Vapor Density: (air = 1): 1.9 **Solubility**

In Water:

Negligible (< 0.1%).

Specific Gravity: 3.34

pH: Not applicable.

ODOR: None.

Percent Volatiles: 0 @ 70° F. (21° C.)

Evaporation Rate (Butyl Acetate = 1): Not applicable.

Section 10: Stability and Reactivity Data

Chemical Stability(Conditions to avoid): Stable

Incompatibility:

Water, fluorine, strong acids, or moisture and air.

Hazardous Decomposition Products:

None identified.

Hazardous Polymerization: None

Section 11: Toxicological Information

None reported.

Section 12: Ecological Information

Expected to be toxic to aquatic life.

Section 13: Disposal Considerations

Dispose in accordance with all applicable federal, state and local environmental regulations.

Section 14: Transport Information

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

U.S. Federal Regulations:

TSCA STATUS: On Toxic Substance Control Inventory.

CERCLA REPORTABLE QUANTITY: None.

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories Acute, Chronic

Section 313 Toxic Chemicals: None

RCRA STATUS: Not regulated

Section 16: Other Information

Hazard Index: (0-4=Extreme)

Health: 1 Fire: 0 Reactivity: 1.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.