



Material Safety Data Sheet

Material Name: Z-2300 INSULATING BRICK

ID: Z2300

***** Section 1 - Chemical Product and Company Identification *****

Chemical Name: Mixture

Product Use: Refractory

Manufacturer Information

MINTEQ International Inc.
The Chrysler Building
405 Lexington Avenue
New York, NY 10174-1901

Phone: (610) 250-3253

Emergency # CHEMTREC: (800) 424-9300

***** Section 2 - Composition / Information on Ingredients *****

CAS #	Component	Percent (wt/wt)
1335-30-4	Aluminum silicate	10-30
12269-78-2	Pyrophyllite	10-30

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

***** Section 3 - Hazards Identification *****

Emergency Overview

This is a non-combustible, non-reactive solid material.

Potential Health Effects: Eyes

Not a normal route of exposure

Potential Health Effects: Skin

Dust or powder may irritate the skin.

Potential Health Effects: Ingestion

Not a likely route of entry.

Potential Health Effects: Inhalation

Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. **WARNING:** This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment. Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.

Medical Conditions Aggravated by Exposure

No information available for the product.

Potential Environmental Effects

No significant environmental effects.

HMIS Ratings: Health: 1* Fire: 0 Reactivity: 0 Pers. Prot.: E

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

***** Section 4 - First Aid Measures *****

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin

For skin contact, wash immediately with soap and water.

Material Safety Data Sheet

Material Name: Z-2300 INSULATING BRICK

ID: Z2300

First Aid: Ingestion

Product is not considered toxic in small amounts.

First Aid: Inhalation

Move person to non-contaminated air.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

This material will not burn.

Hazardous Combustion Products

None identified.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

None necessary.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

Evacuation Procedures

None necessary.

Special Procedures

No additional information available.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your skin and eyes.

Storage Procedures

Store in a cool, dry, well-ventilated area.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Keep formation of airborne dusts to a minimum.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

Material Safety Data Sheet

Material Name: Z-2300 INSULATING BRICK

ID: Z2300

Personal Protective Equipment: Skin

Wear leather or other appropriate work gloves, if necessary for type of operation.

Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Gray Solid Shape
Physical State: Solid
Vapor Pressure: N/A
Boiling Point: N/A
Solubility (H2O): Partially soluble

Odor: None
pH: N/A
Vapor Density: N/A
Melting Point: Unknown
Specific Gravity: Unknown

*** Section 10 - Stability & Reactivity ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

None identified.

Incompatibility

None identified.

Hazardous Decomposition

None identified.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information

There may be a relationship between silicosis and certain cancers.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

This material is not expected to be harmful to aquatic life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

This material shows no bioaccumulation or food chain concentration toxicity potential.

Material Safety Data Sheet

Material Name: Z-2300 INSULATING BRICK

ID: Z2300

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No components are identified as hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations.

*** Section 14 - Transport Information ***

US DOT Information

Shipping Name: None necessary.

Additional Info.: None.

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

All naturally occurring components of this product are automatically included in the USEPA TSCA Inventory List per 40 CFR 710.4 (b). All other components are on the USEPA TSCA Inventory List.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactive: No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MI, MN, NJ, or PA.

Other Regulations

A: General Product Information

Canadian WHMIS Classification: Class D, Division 2, Subdivision A

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Pyrophyllite	12269-78-2	No	No	No	No	Yes	No	No	No	No	No
Aluminum silicate	1335-30-4	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL

Material Safety Data Sheet

Material Name: Z-2300 INSULATING BRICK

ID: Z2300

*** Section 16 - Other Information ***

Other Information

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Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; DOT = Department of Transportation; RCRA = Resource Conservation and Recovery Act

This is the end of MSDS # Z2300