

	Zircar Zirconia, Inc. P.O. Box 287 Florida, NY 10921-0287 (845)651-3040 Emergency (845)258-9148 www.zircarzirconia.com	Safety Data Sheet Buster RS	Document #:	Rev.:	Date:
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- 1. Product Identification**
Product Types: Buster RS
Synonym: Refractory Sheet

2. Hazards Identification: None

3. Composition

Component	Synonyms	CAS Number	% by Weight	Classification (GHS-US)
Aluminum Oxide	Alumina	1344-28-1	70-82	None
Fiber Glass (continuous filament, non-respirable)	Fiber Glass	65997-17-3	18-30	None

4. First Aid Measures

Inhalation: May be slightly irritating. Move to fresh air. If irritation persists, consult a physician.
Eye Contact: May be slightly irritating. Do not rub eyes. Keep hands or contaminated body parts away from eyes. Remove contact lenses. Flush with water. If irritation persists, consult a physician.
Skin Contact: May be slightly irritating. Wash with soap and water. For dryness, a skin cream may be helpful. Do not apply anything to a rash. Consult a physician if irritation persists.
Ingestion: Do not induce vomiting without advice of a physician. Seek medical attention.

5. Fire-Fighting Measures: Product is not flammable. **Special Hazards arising from the substance:** None **Advice for firefighters:** None

6. Accidental Release Measures: Clean up with a sponge, mop or damp cloth. When dried, clean up minimizing airborne dust.

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid contact with skin, eyes, or clothing. Avoid breathing dust.
For Non-Emergency Personnel: Use appropriate personal protection equipment (PPE), gloves, glasses, dust mask.
For Emergency Responders: Equip cleanup crew with proper protection. Ventilate area.
Environmental Precautions: None.
References to Other Sections: See section 8. Exposure Controls/ Personal Protection. For waste disposal refer to section 13.

7. Handling and Storage

Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Machining and Cutting: These materials may produce nuisance dust when machined or cut.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: These materials are stable and may be stored indefinitely.
Incompatible Products: Powerful oxidizers, acids and bases
Specific End Use: Refractory

8. Exposure Controls/ Personal Protection

Control Parameters

Aluminum Oxide	OSHA PEL as 8 hr TWA	5 mg/m ³ (Total) 3 mg/m ³ (Respirable)	ACGIH TLV (8-hour)	10 mg/m ³ (Total) 1 mg/m ³ (Respirable)
Fiber Glass	OSHA PEL-TWA	1 f/cc (Respirable)	ACGIH TVL-TWA	1 f/cc (Respirable) 5 mg/m ³ (Inhalable)

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation. Emergency eye wash should be available. Ensure regulations are observed.
Personal Protective Equipment: Protective goggles, gloves, protective clothing. Dust formation: dust mask type N95.
Environmental Exposure Controls: Do not allow the product to be released into the environment.
Consumer Exposure Controls: Do not eat, drink or smoke during use.

9. Physical and Chemical Properties

Physical State	Solid, Rigid Shapes	Auto ignition Temperature	No data available
Color	White	Decomposition Temperature	
Odor	Odorless	Flammability (solid, gas)	
Odor Threshold	No data available	Vapor Pressure	
pH		Relative Vapor Density at 20C	
Evaporation Rate		Relative Density	
Melting/ Freezing Point	1300 – 2000C	Solubility	
Boiling Point	No data available	Partition Coefficient: N-Octanol/ Water	
Flash Point		Viscosity	

10. Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Incompatible Materials: Powerful oxidizers, acids, bases.
Hazardous Decomposition Products: None.

11. Toxicological Information: No information available.

Epidemiology: No Information Available

Distribution: Alumina is naturally occurring and widely distributed in igneous rock. Deposits in sedimentary rock may be found.

Chemical Fate Information: The relative inertness of this material indicates that it may be highly persistent in the environment. No information regarding any negative effects of this persistence has been noted.

12. Ecological Information: Ecological data are not available.

13. Disposal Considerations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

14. Transportation Information: Not regulated hazardous substances, no specific regulations apply.

15. Regulatory Information: Not regulated.

16. Other Information: The information contained herein is based on data considered to be accurate as of the preparation or revision date. It is provided in good faith and in compliance with state and federal regulations. No warranty or representation, express or implied is made as to the accuracy or completeness of this information. Other national, state and/or local regulations may apply.