

	<b>Zircar Zirconia, Inc.</b> <b>P.O. Box 287</b> <b>Florida, NY 10921-0287</b> (845)651-3040 Emergency (845)258-9148 www.zircarzirconia.com	<b>Safety Data Sheet</b> <b>Buster Alumina Rigidizer</b>	<b>Document #:</b>	<b>Rev.:</b>	<b>Date:</b>
			<b>SDS-203</b>	01	5/2/2017

**1. Product Identification**

**Product Types:** Buster Alumina Rigidizer  
**Synonym:** Alumina Rigidizer, Buster RIG, Alumina Colloid

**2. Hazards Identification**

**Classification of Substance or Mixture**  
**Classification (GHS-US):** None  
**GHS Label Elements**  
**Hazard Pictograms (GHS-US):** None  
**Signal Word (GHS-US):** None  
**Hazard Statements:** None  
**Precautionary Statements:** None  
**Hazards not otherwise classified:** None

**3. Composition**

Component	Synonyms	CAS Number	% by Weight	Classification (GHS-US)
Aluminum Oxide	Alumina	1344-28-1	20	None
Water	H <sub>2</sub> O	7732-18-5	80	None

**4. First Aid Measures**

**Inhalation:** Remove to fresh air. Rinse mouth to clear throat and expel liquid. Blow nose to evacuate dust. Consult a physician if irritation persists.  
**Eye Contact:** 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:** 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 dried, 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:** Alumina insulation hardening

**8. Exposure Controls/ Personal Protection**

**Control Parameters**  
Aluminum Oxide and water are not listed here as they are not classified as hazardous. Exposure controls are based on nuisance dust applicable to dried product.

OSHA PEL as 8 hr TWA	15mg/m <sup>3</sup> Total Dust, 5mg/m <sup>3</sup> Respirable Fraction	ACGIH PEL as 8 hr TWA	10mg/m <sup>3</sup> Total Dust
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**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	Suspension	Auto ignition Temperature	
Color	White	Decomposition Temperature	
Odor	Slightly Acidic	Flammability (solid, gas)	
Odor Threshold	No data available	Vapor Pressure	
pH	4.5	Relative Vapor Density at 20C	
Evaporation Rate	No data available	Relative Density	
Melting/ Freezing Point	1871 C	Solubility	
Boiling Point		Partition Coefficient: N-Octanol/ Water	
Flash Point	No data available	Viscosity	20 cps

**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:** May cause cancer. IARC Group 1, known human carcinogen, OSHA Hazard communication carcinogen list.

**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**

**WHMIS Status:** This is not a controlled product.  
**California Proposition 65:** Not listed  
**SARA Section 313 Supplier Notification:** This product does not contain toxic chemicals subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 Section 313 (40 CFR 372).

**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.