

**MATERIAL SAFETY DATA SHEET**

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**Section 1 – Product & Company Identification**

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Product Name:  
Aluminum Oxide Resin Grinding Wheel

Product Catalog No.:  
74645

Recommended Use:  
Abrasive Product

Company Information:

North America

Ridge Tool Company  
400 Clark Street  
Elyria, Ohio 44035-6001  
1-800-519-3456  
(8:00 am – 5:00 pm EST, M-F)  
Emergency Telephone  
call 9-1-1 or local emergency number  
[www.RIDGID.com](http://www.RIDGID.com)

Australia

Ridge Tool Australia  
127 Metrolink Circuit  
Campbellfield, VIC 3061  
1-800-743-443  
(8:30 am – 5:00 pm AEST, M-F)  
Emergency Telephone  
call 000 or local emergency number  
[www.RIDGID.com.au](http://www.RIDGID.com.au)

Issue Date: June 5, 2017

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**Section 2 – Hazards Identification**

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This product is classified as not hazardous per US OSHA 29CFR 1910.1200 (HazCom 2012) and Canada's Hazardous Products Regulations (WHMIS 2015).

GHS Label Elements: Not applicable

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**Section 3 – Composition / Information on Ingredients**

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<u>Component:</u>	<u>CAS #</u>	<u>% By Weight</u>
Aluminum Oxide, Non-fibrous	1344-28-1	60-100%
Cured PhenolFormaldehyde Resin	9003-35-4	10-30%
Sulfates and Sulfides	Various	10-30%
Fiberglass	65997-17-3	1-10%

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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#### **Section 4 – First Aid Measures**

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##### **EYE CONTACT:**

Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

##### **SKIN CONTACT:**

Immediately wash skin with soap and plenty of water.  
Get medical attention if irritation develops or persists.

##### **INHALATION:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

##### **INGESTION:**

If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

##### **MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

Other First Aid:        Not applicable

##### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Note to Physicians:   Not applicable.

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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## Section 5 – Fire Fighting Measures

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### GENERAL FIRE HAZARDS:

No unusual fire or explosion hazards noted.

### SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

Suitable extinguishing media:

Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

Unsuitable extinguishing media:

Not applicable.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Not applicable.

### SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special firefighting procedures:

No data available.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment appropriate for Industrial fires.

### NFPA RATING:

Health	Flammability	Reactivity
1	1	0

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## Section 6 – Accidental Release Measures

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### PERSONAL PRECAUTIONS:

Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.

### ENVIRONMENTAL:

Avoid runoff into storm sewers, ditches, and waterways.

### CLEAN-UP MEASURES:

Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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## Section 7 – Handling and Storage

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### HANDLING:

Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

### STORAGE:

Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.

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## Section 8 – Exposure Controls / Personal Protection

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### EXPOSURE GUIDELINES:

Component	OSHA PEL:	ACGIH TLV:
Aluminum Oxide, Non-fibrous	5 mg/m <sup>3</sup> Respirable fraction (R) 15 mg/m <sup>3</sup> Total particulate/dust (T)	10 mg/m <sup>3</sup>
Fiberglass	1 f/cc as Continuous filament glass	5 mg/m <sup>3</sup> as Continuous filament glass

### ENGINEERING CONTROLS:

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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#### PERSONAL PROTECTIVE EQUIPMENT:

- **Eye Protection**  
Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
- **Skin Protection**  
Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
- **Respiratory Protection**  
A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
- **General Hygiene Considerations**  
Wash thoroughly after grinding.

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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### Section 9 – Physical and Chemical Properties

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Physical State Appearance:	Solid article.
Color:	Not determined.
Odor:	Odorless.
Odor Threshold:	Not determined.
Boiling Point:	Not determined.
Melting Point:	Not determined.
Density:	Not determined.
Solubility:	Not determined.
Vapor Density:	Not determined.
Vapor Pressure:	Not determined.
Evaporation Rate:	Not determined.
pH:	Not determined.
Viscosity:	Not determined.
Coefficient of Water/Oil Distribution:	Not determined.
Flammability:	Not determined.
Flash Point:	None.
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Auto Ignition Temperature:	Not applicable.
Explosive Properties:	Excessive dust accumulation could present a potential combustible dust hazard.
VOC Content:	Not determined.

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### Section 10 – Stability and Reactivity

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#### STABILITY:

Stable under normal temperatures and pressures.

#### CONDITIONS TO AVOID:

Heat, flames, incompatible materials, and freezing or temperatures below 32°F.

#### INCOMPATIBLE MATERIALS:

Oxidizing agents. Strong acids and alkalis.

#### DECOMPOSITION PRODUCTS MAY INCLUDE:

Not applicable.

#### POSSIBILITY OF HAZARDOUS REACTIONS:

Not reported.

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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## Section 11 – Toxicological Information

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ACUTE: This product has not been tested for its toxicity.

CHRONIC: No further toxicological data known.

SENSITIZATION: No further toxicological data known.

REPRODUCTIVE EFFECTS: No further toxicological data known.

TERATOGENIC EFFECTS: No further toxicological data known.

MUTAGENICITY: No further toxicological data known.

SYNERGISTIC MATERIALS: No further toxicological data known.

CARCINOGENICITY: This product is not listed as a known or suspected carcinogen by IARC, OSHA or the NTP.

### Resin:

RTECS Number: SM8542500

Skin: Administration onto the skin - Rat LD50 : >2 gm/kg  
[Details of toxic effects not reported other than lethal dose value ] (RTECS)

Ingestion: Oral - Rat LD50 : >5 gm/kg [Details of toxic effects not reported other than lethal dose value ] (RTECS)

### Fiberglass:

RTECS Number: LK3651000

### Aluminum Oxide, Non-fibrous:

RTECS Number: BD1200000

Inhalation: Inhalation - Rat TCLo: 200 mg/m<sup>3</sup>/5H/28W  
(Intermittent) [Lungs, Thorax, or Respiration - Structural or functional change in trachea or bronchi; Lungs, Thorax, or Respiration - Chronic pulmonary edema; Related to Chronic Data - death] (RTECS)

Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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## **Section 12 – Ecological Information**

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### **ECOTOXICOLOGICAL INFORMATION:**

This product has not been evaluated for ecotoxicity.

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## **Section 13 – Disposal Consideration**

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### **WASTE DISPOSAL:**

Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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## **Section 14 – Transportation Information**

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Not regulated by the U.S. DOT or TDG (Canada)

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## **Section 15 – Regulatory Information**

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### **FEDERAL REGULATIONS:**

#### **TOXIC SUBSTANCE CONTROL ACT:**

The components of this product are registered under the regulations of the TSCA.

#### **STATE REGULATIONS**

CA Prop 65: Not applicable.

#### **CANADA**

DSL: The components of this product are listed on DSL Inventory.





Product Name ..... : Aluminum Oxide Resin Grinding Wheel

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### Section 16 – Other Information

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Prepared by: ..... Ridge Tool Company (Operating Standard 6-409)

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Last Revision Date: ..... June 5, 2017

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