

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

- Medical Conditions Aggravated By Exposure:
No further data known.
- Carcinogenicity:
This product is not listed as a known or suspected carcinogen by IARC, OSHA or the NTP.

Section 3 – Composition / Information On Ingredients

<u>Component:</u>	<u>CAS #</u>	<u>% By Weight</u>
Aluminum Oxide, Non-fibrous	1344-28-1	50-95%
Cured PhenolFormaldehyde Resin	9003-35-4	2-18%
Fiberglass	65997-17-3	1-10%
Iron Disulfide	12068-85-8	1-15%
Sulfates and Sulfides	Various	---

Section 4 – First Aid Measures

EYE CONTACT:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If symptoms persist, contact a physician.

SKIN CONTACT:

Remove product from the skin by washing with a mild soap and water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms of exposure persist, contact a physician.

INHALATION:

If respiratory irritation or distress occurs, remove the employee to fresh air. Contact a physician or other medical professional if irritation or distress persists.

INGESTION:

If ingested, call poison control or physician immediately.

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Section 5 – Fire Fighting Measures

FIRE AND EXPLOSIVE PROPERTIES:

Flashpoint.....: N/A
Flammability Limits.....: LEL - N/A
UEL - N/A

EXTINGUISH MEDIA:

Not applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Not applicable.

NFPA RATING:

Health	Flammability	Reactivity
1	0	0

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS:

No special measures.

ENVIRONMENTAL:

No special measures.

CLEAN-UP MEASURES:

Follow normal clean up procedure.

Section 7 – Handling And Storage

HANDLING:

Handle wheels in a safe and careful manner. Follow all procedures for the machine being used, including all safety measures.

STORAGE:

No special precautions.

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Section 8 – Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

Component	OSHA PEL:	ACGIH TLV:
Aluminum Oxide, Non-fibrous	15 mg/m ³	10 mg/m ³
Cured PhenolFormaldehyde Resin	0 ppm	0 ppm
Fiberglass	1 fiber/cc	0 fiber/cc
Iron Disulfide	10 mg/m ³	10 mg/m ³
Sulfates and Sulfides	0 mg/m ³	0 mg/m ³

ENGINEERING CONTROLS:

It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should, at a minimum, prevent airborne concentrations from exceeding any exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

- **Eye Protection**
Wear eye protection when grinding to prevent eye exposure.
- **Skin Protection**
No special requirements under ordinary conditions of use.
- **Respiratory Protection**
An appropriate respirator should be worn when the airborne contaminant concentration exceeds exposure guidelines above.
- **Hearing Protection**
Use of this product may produce elevated sound levels. Hearing protection should be worn when appropriate.
- **General Hygiene Considerations**
Wash thoroughly after grinding.

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Section 9 – Physical And Chemical Properties

Odor.....: None
Physical State.....: Solid

Section 10 – Stability And Reactivity

STABILITY:

This product is stable.

CONDITIONS TO AVOID:

Incompatible materials.

INCOMPATIBLE MATERIALS:

This product is incompatible with acids with a pH below 4.0.

DECOMPOSITION PRODUCTS MAY INCLUDE:

Trace amounts of phenol and formaldehyde.

POSSIBILITY OF HAZARDOUS REACTIONS:

This product is not expected to polymerize.

Section 11 – Toxicological Information

ACUTE: No further toxicological data known.

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.

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Section 12 – Ecological Information

ECOTOXICOLOGICAL INFORMATION:

This product has not been evaluated for ecotoxicity.

ENVIRONMENTAL FATE:

Resin bonded materials demonstrate similar degradation rates as phenolic plastics.

Section 13 – Disposal Consideration

WASTE DISPOSAL:

Use standard landfill methods consistent with all applicable laws and regulations.

Section 14 – Transportation Information

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

Section 15 – Regulatory Information

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.

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Section 16 – Other Information

Prepared by: Ridge Tool Company

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