

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Aluminum Oxide Cut off Wheels

AM1065, AM1081, AM1083, AM1089, AM1095, AM1080, AM1059, AM1061, AM1050, AM1067, AM1051, AM1035, AM1036, AM1037, AM1049, AM0309, AM1146, AR 200, AR 270

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2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS No.</u>	<u>%W</u>	<u>Component</u>	<u>OSHA PEL</u> <u>(mg/m³)</u>	<u>ACGIH TLV</u> <u>(mg/m³)</u>
1344-28-1	70-80	Aluminum Oxide	15	10
1317-61-0	7-9	Iron Oxide	10	5
None Listed	Vulcanized Rubber	12-14	10	5

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: Irritation may occur to some users. May cause abrasions.

INHALATION: Dust may be slightly irritating to the respiratory tract.

INGESTION: No known adverse effect, but ingestion is not recommended.

CHRONIC OVEREXPOSURE: May affect breathing capacity.

ACUTE OVEREXPOSURE: Shortness of breath, coughing. Possibility of elevated sound levels during normal use when cutting.

MEDICAL CONDITIONS AGGRAVATED: Persons with respiratory or dermatological disorders may be at increased risk from exposure.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Obtain first aid/medical assistance if needed.

INHALATION: Removed from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

SKIN: Wash skin with plenty of soap and water. Obtain medical assistance if needed.

INGESTION: Obtain medical assistance if needed.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: None

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: N/A
EXTINGUISHING MEDIA: N/A
FIREFIGHTING INSTRUCTIONS: N/A

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Follow normal clean up procedures.

7. HANDLING AND STORAGE

HANDLING: Handle and store in a careful manner. Visually inspect all wheels before mounting. Check machine speed against the established maximum safe operating speed marked on the wheel. Check the mounting flanges for equal and correct diameter. Always use mounting blotters. Be sure the work rest is properly adjusted. Use a safety guard covering at least one half of the grinding wheel. Allow newly mounted wheels to run at operating speed with guard in place for at least one minute before grinding or cutting. Turn off coolant before stopping wheel to avoid creating an out of balance wheel.

STORAGE: Keep container closed. Store wheels in a flat position.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle with adequate ventilation. See OSHA 29 CFR 1910.94 (ventilation and 29 CFR 1919.1000 (air contaminants).

RESPIRATORY PROTECTION: Avoid breathing dust from material being abraded. Wear a particulate respirator when airborne contaminant levels exceed the TLV's.

SKIN AND HAND PROTECTION: N/A

EYE AND FACE PROTECTION: Always wear safety glasses or some type of eye protection when using this wheel.

OTHER PROTECTIVE EQUIPMENT: Hearing protection may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown to black solid.

BOILING POINT: N/A

FREEZE-MELT POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY: typically 2 - 3

pH: N/A

ODOR: None as supplied. Typical rubber odor when in use.

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: In use, dust and decomposing resin system fumes are generated. In most cases, the material removed from the work piece will be significantly greater than the coated abrasive product components. Coolants may produce other decomposition products.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

Chronic exposures may affect breathing capacity.

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Dispose in accordance with all applicable federal, state and local regulations.

14. TRANSPORTATION INFORMATION

USA DOT: Not regulated

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Acute, Chronic

Section 313 Toxic Chemicals: Aluminum Oxide (fibrous forms only)

16. OTHER INFORMATION

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

Date Prepared: January 14, 2013

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