



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product Name: Bonded Abrasive Wheel
Manufacturer Name: Ali Industries, Inc.
Address: 747 E. Xenia Dr.
Fairborn, OH 45324
Website: www.gatorgrit.com
Main Phone Number: 937-878-3946
Emergency Phone Number: 937-878-3946
SDS Creation Date: 02/17/2016
SDS Revision Date:

SECTION 2 : HAZARDS(S) IDENTIFICATION

Potential Health Affects:

Eye: Dust from grinding may cause slight irritation.
Skin: Dust from grinding may cause slight irritation
Inhalation: Dust from grinding may cause slight temporary mechanical irritation.
Ingestion: Ingestion is unlikely, however, ingestion may produce gastrointestinal irritation.

Chronic Health Affects:

Fiberglass:

Inhalation: Wheels contain fiberglass that have fiber diameters greater than 10 um which makes it non-respirable.

Phenol formaldehyde polymer

Chronic Health Affects: Dust generated from grinding may contain trace amounts of phenol and formaldehyde. Excessive exposure may cause skin sensitization and airway obstruction.

SECTION 3 : COMPOSITION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Number
Sulfates	No Data	10 - 30%	
Fiberglass	65997-17-3	1 - 5%	266-046-0
Phenol Formaldehyde Polymer	9003-35-4	10 - 30%	
Aluminum Oxide, non fibrous	1344-28-1	30 - 60%	215-691-6
Zirconium dioxide	1314-23-4	5 - 30%	215-227-2
Silicon Carbide	409-21-2	30 - 60%	206-991-8

SECTION 4 : FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 20 minutes. Get medical attention if irritation persists.
Skin Contact: Immediately wash skin with soap and water. Get medical attention if irritation persists.
Inhalation: If dust from cutting or grinding is inhaled, remove the person to fresh air. Get medical attention if symptoms persists.
Ingestion: Watch person for several days for intestinal blockage. Get medical attention if symptoms persists.

SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties:	Non Flammable
Flash Point:	Does not apply
Auto Ignition Temperature:	Not Determined
Lower Flammable/Explosive Limit:	Not Available
Upper Flammable/Explosive Limit:	Not Available
Extinguishing Media:	Use any extinguishing media that is appropriate for surrounding fire.
Unsuitable Media:	None
Protective Equipment:	Use MSHA/NIOSH approved protective gear

NFPA RATINGS:

NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	1
NFPA Other:	

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Methods For Containment:	Containment is not necessary.
Methods for Clean-Up:	Shovel or sweep up for disposal. Dispose of in accordance with local, State, and Federal regulations.

SECTION 7 : HANDLING AND STORAGE

Handling:	<ol style="list-style-type: none">1. Always handle and store wheels in a careful manner.2. Always visually inspect all wheels before mounting.3. Always check machine speed against established maximum safe operating speed marked on the wheel.4. Always check mounting flanges for equal and correct diameter.5. Always use mounting blotters.6. Always be sure work rest is properly adjusted.7. Always use a safety guard that cover at least one half of the wheel.8. Always allow newly mounted wheels to run at full speed for one minute before grinding or cutting.9. Always turn off coolant before stopping to avoid creating an out of balance condition.
Storage:	No special storage conditions are required
Hygiene Practices:	Wear suitable gloves and eye/face protection

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:	Provide Local exhaust or general ventilation dilution as needed to maintain exposures below occupational limits.
Eye/Face Protection:	Always wear safety glasses or some type of eye and face protection.
Skin Protection:	Use protective gloves, long sleeved shirts and long pants.
Respiratory Protection:	If confronted with airborne dust concentrations above exposure limits, use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended.
Other Protective:	Grinding and cutting can produce higher sound levels. Hearing protection should be worn where needed. (OSHA 29 CFR 1910.134 and other applicable regulations)

EXPOSURE GUIDELINES

Ingredient	Guideline OSHA	Guideline ACGIH	Quebec Canada	Ontario Canada	Alberta Canada	Mexico	British Columbia Canada
Fiberglass	PEL-TWA: 1 f/cc as Continuous filament glass	TLV-TWA: 1 f/cc as Continuous filament glass TLV-TWA: 5 mg/m3 as Continuous filament glass					
Zirconium Dioxide		TLV-TWA: 10 mg/m3 as zirconium compounds					
Aluminum Oxide, Non Fibrous	PEL-TWA: 5 mg/m3 Respirable fraction (R) PEL-TWA: 15 mg/m3 Total particulate dust (R)	TLV-TWA 10 mg/m3 as	VEMP-TWA: 10 mg/m3 Total particulate dust (T)	OEL-TWAEV: 10 mg/m3 Total particulate dust (T)	OEL-TWA 10 mg/m3	MPE-PPT: .1 mg/m3 Respirable fraction (R)	OEL-TWA: 3 mg/m3 Respirable fraction (R) OEL-TWA: 10 mg/m3 Total particulate dust (T) OEL-STEL: 20 mg/m3 Total particulate dust (T)
Silicon Carbide	PEL-TWA: 15mg/m3 Total particulate dust (T) PEL-TWA: 15 mg/m3 Respirable fraction (R)	TLV-TWA: 10 mg/m3 Inhalable fraction (I) TLV-TWA: 3 mg/m3 Respirable fraction (R)	VEMP-TWA 10 mg/m3 Total particulate dust (T)	OEL-TWAEV: 10mg/m3 Total particulate dust (T) OEL-TWAEV: 3 mg/m3 Respirable fraction (R)	OEL-TWA: 10 mg/m3	LMPE-PPT: 10 mg/m3 LMPE-CT: 20 mg/m3	OEL-TWA: .025 mg/m3 Inhalable fraction (I) OEL-TWA: 3 mg/m3 Respirable fraction (R)

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Solid Article

Odor: Odorless

Flash Point: Does not apply

Auto Ignition Temperature: Not determined

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability: Stable under most conditions.

Hazardous Polymerization: Does not occur.

Special Decomposition Products: Dust may be generated, however in most cases the material being removed will be greater than the grinding wheel components. Coolants can produce other decomposition products.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity: This product has not been tested for its toxicity.

Carcinogens:	ACGIH	NIOSH	OSHA	IARC	NTP	MEXICO
Aluminum Oxide, Non fibrous	A4 Not Classifiable as a Human Carcinogen	No Data	No Data	No Data	No Data	A4 Not Classifiable as a Human Carcinogen

Fiberglass:
RTECS Number: LK3651000

Phenol formaldehyde polymer:
RTECS Number SM8542500
Skin: Administration onto the skin - Rat LD50 : >2gm/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)

Zirconium Dioxide:
RTECS Number: ZH8800000

Aluminum Oxide, Non Fibrous:
RTECS Number BD1200000
Inhalation: Inhalation - Rat TCLO: 200 mg/m3/5H/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)

Silicon Carbide:
RTECS Number VW0450000
Inhalation: No Data

SECTION 12 : ECOLOGICAL INFORMATION

Biodegradation: Resin bonded wheels demonstrate the same degradation rates as phenolic plastics.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Use standard landfill methods consistent with applicable Federal, State, and Local laws.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.

DOT UN Number: Not regulated as hazardous material for transportation.

IATA Shipping Name: Not regulated as hazardous material for transportation.

Canadian Shipping Name: This product is not regulated under the Transportation of Dangerous Goods Act. (CAN).

SECTION 15 : REGULATORY INFORMATION

Chemical Inventories: This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

SECTION 16 : OTHER INFORMATION

Revision Date 2/22/2016

HMIS Health Hazard	1
HMIS Fire Hazard	0
HMIS Reactivity	0
HMIS Personal Protection	X