

# MATERIAL SAFETY DATA SHEET

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## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME : **Mean Green Abrasive Grinding Wheel**  
VENDOR : Preferred Abrasives, Inc., 66 Industry Ct. Unit B Troy, OH 45373  
(937) 332-8855, Fax (937) 332-8854  
DATE PREPARED: January 2013

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>SUBSTANCE DESCRIPTION</u>	<u>PERCENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS#</u>
Aluminum Oxide	58.0%	15mg/m <sup>3</sup>	10mg/m <sup>3</sup> dust	1344-28-1
Zirconium Oxide	11.0%	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	1314-23-4
Chromic Oxide	2.0%	0.5mg/m <sup>3</sup>	0.5mg/m <sup>3</sup>	1308-38-9

The grinding wheel may be comprised of 1 or more of the above abrasives. The chemicals listed below may be part of the bonding system

Titanium Dioxide	0.3%	N/A	N/A	13463-67-7
Alkali	3.0%	N/A	N/A	N/A
Others **	4.0%	N/A	N/A	N/A
Phenolic Abrasive Binder **	21.7%	N/A	N/A	N/A
Non Alkali Glass Fiberglass		N/A	10mg/m <sup>3</sup> dust	N/A

\*\* Substance is a compound and/or mixture

The product itself does not create any dioxin caused by: Explosion/Ignition/Inflammability/Spontaneous combustion/Heat generated due to water Oxidation/Acute toxicity/Corrosion.

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**HMIS HEALTH -1 FLAMMABILITY -0 REACTIVITY-0 PERSONAL PROTECTION – See Section 6**

## SECTION 3. HAZARDS IDENTIFICATION

### INHALATION ACUTE EXPOSURE EFFECTS

During grinding – Coughing, shortness of breath

### EYE CONTACT ACUTE EXPOSURE EFFECTS

During grinding – Dusts may irritate eyes.

### SKIN CONTACT ACUTE EXPOSURE EFFECTS

During grinding – Some may experience skin irritation from dust.

### INGESTION ACUTE EXPOSURE EFFECTS

No known adverse effects.

## SECTION 4. FIRST AID MEASURES

### INHALATION

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

### SKIN CONTACT

Wash affected areas with soap and water. Obtain medical assistance, if needed.

### EYE CONTACT

Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

### INGESTION

Call poison control center, hospital emergency room or physician immediately.

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## SECTION 5. HANDLING AND STORAGE

### HANDLING

Visually inspect all wheels before mounting, use proper flanges, and check machine speed against the established maximum safe operating speed marked on the wheel. Always use a safety guard covering a least one-half of the grinding wheels, and allow the wheel to run at operating speed for at least one minute before grinding.

### STORAGE

Abrasive wheels must be protected while awaiting use. Wheels should not be exposed to extreme temperatures, humidity, water or solvents.

## SECTION 6. EXPOSURE CONTROLS/PERSONAL PROTECTION

### VENTILATION PROTECTION

Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at the source.

### RESPIRATORY PROTECTION

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CRF 1910.134) and, if necessary, wear a MSHA/NIOSH approved respirator.

### EYE PROTECTION

Wear protective eyeglasses, per OSHA eye and face protection regulations (29 CRF 1910.133). Contact lenses are not eye protective devices.

### OTHER PROTECTION

Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CRF 1910.95 and other applicable regulations).

## SECTION 7. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE & ODOR

Solid, various green color. May give off a slight odor when grinding.

## SECTION 8. STABILITY AND REACTIVITY

### INCOMPATIBILITY

N/A

### DECOMPOSITION

In use, dust and decomposing odors may be generated.

## SECTION 9. TOXICOLOGICAL INFORMATION

### INHALATION CHRONIC EXPOSURE EFFECTS

Chronic: May affect breathing capacity

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## SECTION 10. ECOLOGICAL INFORMATION

### CHEMICAL FATE

Bonded abrasive wheels do not appreciably decay.

## SECTION 11. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL

Use standard landfill methods consistent with applicable Federal, State, and local laws.

## SECTION 12. TRANSPORT INFORMATION

### HAZARD CLASS

This product is not hazardous as defined by the Department of Transportation. (USA)

## SECTION 13. REGULATORY INFORMATION

SARA Title III Section 313: This product does not contain regulated levels of any toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CRF part 372.

### PROPOSITION 65

Substances compound(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986".

Formaldehyde            CAS# 50-00-0            trace

## SECTION 14. OTHER INFORMATION

### DISCLAIMER

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation, and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Preferred makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. Use of this product is not within the control of Preferred, it is the user's obligation to determine the conditions of safe use.

END OF MSDS