

# RUBBER BONDED GRINDING WHEELS

Western Abrasives, Inc.  
1170 NE 63<sup>rd</sup> Avenue  
Portland, Oregon 97213  
SDS Revision Date: October 30, 2024

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION

PRODUCT NAME	Rubber Bonded Grinding Wheels
END USE	Grinding wheel
MANUFACTURER	Western Abrasives 1170 NE 63 <sup>rd</sup> Avenue Portland, Oregon 97213 Phone: (503) 234-0733 Fax: (503) 235-3851
EMERGENCY PHONE NUMBER	(503) 234-0733

### SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION	Acute Toxicity, Oral – 5 Acute Toxicity, Dermal – 4 Acute Toxicity, Inhalation – 5 Serious Eye Damage/Eye Irritation – 2B Skin Corrosion/Irritation – 2
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SIGNAL WORD	WARNING
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HAZARD STATEMENT	May be harmful if swallowed (H303) Harmful in contact with skin (H312) May be harmful if inhaled (H333) Causes eye irritation (H320) Causes skin irritation (H315)
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HAZARD PICTOGRAMS	
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PRECAUTIONARY STATEMENT(S)	
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#### Prevention

P264 – Wash hands and exposed skin thoroughly after handling.  
P280 – Wear protective gloves and clothing. Chemical resistant or impervious gloves are sufficient.

#### Response

P302 + P352 + P362 + P363 – IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.  
P305 + P351 + P338 + P310 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
P332 + P313 – If skin irritation occurs: Get medical attention.  
P312 + P304 – IF SWALLOWED OR INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P501 – Dispose of contents or container in accordance with local, regional, national and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED	N/A
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## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE	Mixture	
OTHER MEANS OF IDENTIFICATION	N/A	
CAS # / IDENTIFIERS		
INGREDIENT NAME	% BY WEIGHT	CAS NUMBER
Aluminum Oxide	50 – 90	1344-28-1
Rubber	12 - 15	N/A
Gamma-Aminopropyltriethoxysilane	0.1 – 5	919-30-2
Pigment Green 7	0.1 – 5	1328-53-6
Hydrated Amorphous Silica	0.1 – 5	7631-86-9
Polymer	0.1 – 5	N/A
Calcium Silicate	0.1 – 5	1344-95-2
Iron Oxide	0.1 – 5	1309-37-1
Calcium Hydroxide	0.1 – 5	1305-62-0
Phenolic Resin	0.1 – 5	N/A
Magnesium Oxide	0.1 – 5	1309-48-4
Titanium Dioxide	0.1 – 5	13463-67-7
Zinc Oxide	0.1 – 5	1314-13-2

*Any concentrations shown in a range are to protect trade secret confidentiality or is due to batch variation. There are no additional ingredients present, which within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.*

## SECTION 4 – FIRST AID MEASURES

### DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention.
INHALATION	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
SKIN CONTACT	Wash affected areas with soap and water. If irritation develops, get medical attention. Remove and launder contaminated clothing before reuse.
INGESTION	Never give fluids or induce vomiting if the victim is unconscious or have convulsions. Seek immediate medical attention.

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

EYE CONTACT	May cause eye irritation.
INHALATION	May cause respiratory tract irritation.
SKIN CONTACT	Causes skin irritation.
INGESTION	May cause gastrointestinal irritation.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS, IF NECESSARY

EYE CONTACT	N/A
INHALATION	N/A
SKIN CONTACT	N/A
INGESTION	N/A

## SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Foam CO <sub>2</sub> , Dry Chemical, Water, Fog Foam
SUITABLE MEDIA	

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EXTINGUISHING MEDIA:	N/A
UNSUITABLE MEDIA	
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	N/A
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS	N/A
SPECIAL EQUIPMENT FOR FIRE-FIGHTERS	As in any fire, wear pressure-demand self-contained breathing apparatus (SCBA) (MSHA/NIOSH approved or equivalent) and full protective gear.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES FOR NON-EMERGENCY PERSONNEL	Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust/fumes/mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
FOR EMERGENCY PERSONNEL	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."
ENVIRONMENTAL PRECAUTIONS	Avoid runoff into storm sewers and ditches that lead to waterways. Consult your state or local authorities for proper disposal in the event that more restrictive requirements apply.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	
LARGE SPILLS	Discard any product, residue, disposal container or liner in full compliance with federal, state and local regulations.
SMALL SPILLS	Same protocol as above.

## SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	
PROTECTIVE MEASURES	Inspect for defects before use. Use in a well ventilated area. Keep out of reach of children. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the respective exposure limits. Use safety glasses and gloves to handle.
GENERAL HYGIENE	Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust/fumes/mist.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	Store away from heat and moisture.

## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

OCUPATIONAL EXPOSURE LIMITS			
COMPOUND	CAS #	OSHA PEL 8- HR TWA	ACGIH TLV 8-HR TWA
Aluminum Oxide	1344-28-1	5 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Hydrated amorphous silica	7631-86-9	80 mg/m <sup>3</sup> %SiO <sub>2</sub>	10 mg/m <sup>3</sup>

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Calcium Silicate	1344-95-2	15 mg/m <sup>3</sup> (Total Dust) 5 mg/m <sup>3</sup> (Respirable)	1 mg/m <sup>3</sup>
Iron Oxide	1307-37-1	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Calcium Hydroxide	1305-62-0	15 mg/m <sup>3</sup> (Total Dust) 5 mg/m <sup>3</sup> (Respirable)	5 mg/m <sup>3</sup>
Magnesium Oxide	1309-48-4	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Titanium Dioxide	13463-67-7	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	15 mg/m <sup>3</sup> (Total Dust) 5 mg/m <sup>3</sup> (Respirable)	2 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> (Ceiling)

## CONTROLS

### ENGINEERING

### CONTROLS

Local exhaust ventilation may be necessary to control any air contaminants to within their respective exposure limits during the use of this product.

### PERSONAL PROTECTIVE EQUIPMENT

Wear a NIOSH/MSHA approved respirator when the product used in poorly ventilated areas or if the workplace levels of ingredients exceed exposure limits. When contact is likely, wear gloves, safety glasses with a face shield, and clean protective clothing to cover arms and legs at a minimum.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

### PHYSICAL STATE

Solid

### COLOR

Green

### ODOR

None

### ODOR THRESHOLD

ND

### pH

ND

### MELTING POINT

ND

### BOILING POINT

ND

### FLASH POINT

ND

### EVAPORATION RATE

ND

### FLAMMABILITY (SOLID, GAS)

ND

### UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS

N/A

### VAPOR PRESSURE

ND

### VAPOR DENSITY

ND

### RELATIVE DENSITY

ND

### SOLUBILITY (IES)

ND

### PARTITION COEFFICIENT: N-OCTANOL / WATER

ND

### AUTO-IGNITION TEMPERATURE

ND

### DECOMPOSITION TEMPERATURE

ND

### VISCOSITY

ND

## SECTION 10 – STABILITY AND REACTIVITY

### REACTIVITY

This product is not reactive under normal conditions

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CHEMICAL STABILITY	This product is stable under normal storage conditions.
POSSIBILITY OF HAZARDOUS REACTION	Will not occur under normal conditions.
CONDITIONS TO AVOID	None.
INCOMPATIBLE MATERIALS	Strong acids and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Formaldehyde, carbon monoxide, carbon dioxide, nitrogen oxide, ammonia, phenol, aromatic and aliphatic hydrocarbons, hydrogen chloride, and n-nitrosamines.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY	May cause irritation to eyes, gastrointestinal and respiratory tracts.
IRRITATION / CORROSION	Causes irritation to skin.
SENSITIZATION	N/A
MUTAGENICITY	N/A
CARCINOGENICITY	N/A
REPRODUCTIVE TOXICITY	N/A
TETRAOGENICITY	N/A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	N/A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)	N/A
ASPIRATION HAZARD	N/A
INFORMATION ON LIKELY ROUTES OF EXPOSURE	Inhalation and dermal likely routes of exposure.
POTENTIAL ACUTE HEALTH EFFECTS	
EYE CONTACT	May cause irritation to eyes.
INHALATION	May cause irritation to respiratory tract.
SKIN CONTACT	Causes skin irritation.
INGESTION	May cause irritation to gastrointestinal tract.
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS	
EYE CONTACT	N/A
INHALATION	N/A
SKIN CONTACT	N/A
INGESTION	N/A
DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE	
SHORT TERM EXPOSURE – POTENTIAL IMMEDIATE EFFECTS	ND
SHORT TERM EXPOSURE – POTENTIAL DELAYED EFFECTS	ND
LONG TERM EXPOSURE – POTENTIAL IMMEDIATE EFFECTS	ND
LONG TERM EXPOSURE – POTENTIAL DELAYED EFFECTS	ND

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## POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL	ND
CARCINOGENICITY	N/A
MUTAGENICITY	N/A
TERATOGENICITY	N/A
DEVELOPMENTAL EFFECTS	N/A
FERTILITY EFFECTS	N/A
NUMERICAL MEASURES OF TOXICITY (ACUTE TOXICITY ESTIMATE)	ND

## TOXICOLOGICAL DATA:

INGREDIENT	ORAL RAT (LD50)	SKIN RABBIT (LD50)	INHALATION RAT (LC50)
Aluminum Oxide	>5000 mg/kg	N/A	N/A
Gamma-Aminopropyltriethoxysilane	N/A	>2000 mg/kg	>7.35 mg/l
Pigment Green 7	>5000 mg/kg	>5000 mg/kg	N/A
Amorphous Silica	>22500 mg/kg	N/A	N/A
Calcium Silicate	>5000 mg/kg	N/A	N/A
Iron Oxide	>5000 mg/kg	N/A	N/A
Calcium Hydroxide	>5000 mg/kg	N/A	N/A
Magnesium Oxide	>3870 mg/kg	N/A	N/A
Titanium Dioxide	>5000 mg/kg	>10000 mg/kg	>6.82 mg/l
Zinc Oxide	>5000 mg/kg	N/A	N/A

## SECTION 12 – ECOLOGICAL INFORMATION

TOXICITY	ND
PERSISTENCE AND DEGRADABILITY	ND
BIOACCUMULATIVE POTENTIAL	ND
MOBILITY IN SOIL	ND
OTHER ADVERSE EFFECTS	ND

## SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS	Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.
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## SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME	Not regulated
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## SECTION 15 – REGULATORY INFORMATION

### U.S. FEDERAL REGULATION

OSHA	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)
CERLA – SARA HAZARD CATEGORY	This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category: None.
SARA SECTION 313	This product does contain toxic chemical(s) at or above the de minimis concentrations subject to the reporting requirements of section 313 of

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Title III Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.

## TOXIC SUBSTANCES CONTROL ACT

This product meets the compositional requirements of the Toxic Substances Control Act and contains only chemical ingredients that are listed on the TSCA inventory.

## CALIFORNIA PROP. 65

WARNING You create dust when you cut, sand, drill, or grind materials such as wood, paint, cement, masonry, or metal. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm.

## SECTION 16 – OTHER INFORMATION

HMIS RATINGS	HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION
	1	1	0	

## EUROPEAN PRECAUTIONARY PICTOGRAMS



PREVIOUS SDS REVISION DATE 1/18/2022

REASON FOR REVISION ND  
VOLATILE ORGANIC COMPOUNDS (VOC'S) ND

LEGEND N/A – Not Applicable, ND – Not Determined

ABBREVIATIONS USED  
ACGIH – American Conference of Governmental Industrial Hygienists  
OSHA – Occupational Safety and Health Administration  
TLV – Threshold Limit Value  
PEL – Permissible Exposure Limit  
TWA – Time Weighted Average  
STEL – Short Term Exposure Limit  
NTP – National Toxicology Program  
IARC – International Agency for Research on Cancer

NOTICE TO READER  
The information contained herein is based on the data available to us and is believed to be correct. However, Western Abrasives, Inc. makes no warranty, express or implied regarding the accuracy of this data or the results to be obtained from the use thereof.

**END OF SAFETY DATA SHEET**