

RUBBER BONDED MOUNTED POINT STONES

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

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

| | |
|------------------------|--|
| PRODUCT NAME | Rubber Bonded Mounted Point Stones |
| END USE | Grinding wheel |
| MANUFACTURER | Western Abrasives 1170 NE 63 rd 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 |
| SIGNAL WORD | WARNING |
| 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) |

HAZARD PICTOGRAMS



PRECAUTIONARY STATEMENT(S)

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 CO2, 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 ³ | 1 mg/m ³ |
| Hydrated amorphous silica | 7631-86-9 | 80 mg/m ³ %SiO ₂ | 10 mg/m ³ |

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

SECTION 14 – TRANSPORTATION INFORMATION

| | |
|--------------------------|---------------|
| DOT PROPER SHIPPING NAME | Not regulated |
|--------------------------|---------------|

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