

GARD Specialists Co., Inc.**Blender Elite™ Abrasive Wheels****Series 5426-****Material Safety Data Sheet**

This MSDS has been prepared to meet the U.S. OSHA Hazard Communications Standard, 29 CFR 1910.1200.

MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES

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Important notice:

Coated abrasives are inert products which do not create any risk when handled or stored. When used on grinding machines they require specific measures to protect the operators. During the grinding operation 90% or more of the particulates of the dust come from the material being ground and, for wet grinding, from aerosols generated by the grinding fluid. Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices must be installed.

1. Product identification: Coated/ Bonded Abrasive Products (sheets, discs, rolls, flapwheels)

2. Composition/information on ingredients**2.1 Abrasive:**

- Synthetic Aluminium oxide
- Synthetic Silicon Carbide
- Zirconia Alumina ($ZrO_2 \cdot Al_2O_3$)
- Others:

2.2 Bond:

- Glue (natural material derived from plant or animal)
- Cured phenolic resin
- Cured urea / melamine resin
- Others:

2.3 Fillers:

- Calcium carbonate
- Kaolin
- Cryolite CAS: 15096-52-3 Concentration Area: 1 – 8%
- Others:

2.4 Backing:

- Paper
- Cotton cloth
- Combination, paper/cloth

- Cloth containing polyester
- Vulcanised fiber
- Others;

2.5 Others:

3. Hazards identification

NOT APPLICABLE.

Coated abrasives are not dangerous products.

4. First aid measures

NOT APPLICABLE WHEN COATED ABRASIVES ARE IN USE ON MACHINES.

The following recommendations are basic rules during a grinding operation; they must be followed in conjunction with the information appearing in the safety data sheets of the material ground and of the grinding fluid when used.

- Dust inhalation: Remove from exposure, seek medical advice if symptoms persist.
- Eye: Remove from exposure and flush with clean water. If symptoms persist seek medical advice.
- Skin: No harmful effects known other than abrasion from physical contact
- Ingestion: Not likely due to the form of the product. If necessary contact physician.

5. Fire fighting measures

Flammable Properties: Non Applicable

Suitable Extinguishing Media: Water, powder, foam, sand, CO₂... can be used if compatible with operating conditions.

Products of Combustion: Toxic Fumes may occur

Protection of Fire fighters: Use respiratory protective equipment

6. Accidental release measures

NOT APPLICABLE.

7. Handling and storage

Follow recommendations for machines and federal, state & local regulations.

8. Exposure control and personal protection

Exposure Guidelines: Not applicable

Engineering Controls: Observe federal, state and local regulations.

Eye/Face Protection: Wear adequate eye and/face protection for the application

Skin Protection: Wear adequate protection for the application

Respiratory Protection: Wear adequate respiratory protection for the application

Prevention of Ingestion: Not likely to occur, contact physician as necessary

8.1 The following personal protective equipment should be used dependent on the operation and the material being ground

- Eye protection required: Machine guarding, safety goggles and face shield.
- Dust protection: Use of dust mask.
- Hand protection: Use of protective gloves.
- Ear protection: Use of ear defenders or equivalent.
- Skin protection: Use of suitable protective clothing.

8.2 Hygiene measures: No specific requirements.

9. Physical and chemical properties

9.1 Physical state: Solid

9.2 Color: Variable red

9.3 Odor: Not applicable (May give off non specific odor in use)

9.4 pH: Not applicable

9.5 Change of physical state: Not applicable

9.6 Density: Not applicable

Bulk density: Not applicable

9.7 Vapor pressure: Not applicable

9.8 Flash point: Not applicable

9.9 Explosion properties: Not applicable

9.10 Viscosity: Not applicable

9.11 Solubility in water: Not applicable

9.12 Partition Coefficient: Not applicable

9.13 Auto-ignition Temperature: Not applicable

9.14 Percent Volatile, wt. %: Not applicable

9.15 Volatile Organic Compound (VOC) content, wt. %: Not applicable

10. Stability and reactivity

Coated abrasives are stable and non reactive when handled or stored.

10.1 Stability: Stable

10.2 Conditions to avoid: Not applicable.

10.3 Material to avoid: Not applicable

10.4 Hazardous decomposition products: Carbon monoxide and carbon dioxide

10.5 Possibility of Hazardous Reactions: Not applicable

11. Toxicological information

NOT APPLICABLE WHEN HANDLED OR STORED.

Coated abrasives, when properly used have no adverse effect on health, refer to Section 8.

12. Ecological information

12.1 Mobility: Not determined.

12.2 Persistence and degradability: Not determined.

12.3 Bioaccumulative potential: Not determined.

12.4 Ecotoxicity: Toxic to aquatic organisms, see Section 2.

13. Disposal considerations

Dispose of in accordance with Federal, State & local regulations.

14. Transport

Coated abrasives are not dangerous products.

15. Regulatory information

OSHA-Regulations: NONE, no specific marking required.

Refer to relevant texts. See OSHA 29CFR1910.94 (Ventilation) and OSHA 29CFR1910.1000 (Air Contaminates), OSHA CFR1910.213 (P) SANDING MACHINES.

16. Other information

FOR COMPANY USE

The above indications are based on existing practice and do not constitute a guarantee. The laws and regulations must be strictly followed by the users who remain responsible for the use of coated abrasives. The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however GARD Specialists Company Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assume no liability to any user thereof.