

MATERIAL SAFETY DATA SHEET

RESIN BONDED ABRASIVES

Section I - Company Information

Manufacturers Name: CHANGZHOU DOME ABRASIVES MANUFACTURE CO.,LTD

Telephone Number: 86-519-88731501

Address: Zhenglu Garden Industrial Park, Tianning District, Changzhou City, Jiangsu Province, China

Date Prepared: June 12, 2024

Section II - Composition of Components

Hazardous Components	OSHA PEL	ACGIH TLV
Aluminum Oxide	15mg/m ³	10mg/m ³
Zirconium Oxide	5mg/m ³	5mg/m ³
Calcium Oxide	5mg/m ³	2mg/m ³
Silicon Carbide	10mg/m ³	10mg/m ³
Fluorides	2.5mg/m ³	2.5mg/m ³
Crystalline Silica, Quartz	0.1mg/m ³	0.1mg/m ³
Fiber Glass	15mg/m ³	10mg/m ³
Phenolic Resin	5P.P.M	5P.P.M

Section III - Physical/Chemical Characteristics

Boiling Point: N/A

Vapor Pressure (mm Hg.): N/A

Vapor Density (AIR=1): N/A Specific Gravity (H₂O=1): >1 Melting Point: N/A

Evaporation Rate: (Butyl Acetate=1): N/A

Appearance and Odor: Solid. May give off some odor in use.

Section IV - Fire and Explosion Hazard Data

FlashPoint : N/A

Means Of Extinction: Water or carbon dioxide.

Flammable Limits: N/A Extinguishing Media: Water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Section V - Reactivity Data

Stability: Avoid excessive moisture, high relative humidity, temperature extremes and contact with acids or solvents

Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0

Hazardous Polymerization: Will not occur

Hazardous Byproducts: Dust and organic fumes are generated in use.

Section VI – Health Hazard Data

RoutesofEntry	Signs and Symptoms of Exposure	Emergency and First-Aid
Dust Inhalation	May cause coughing and shortness of breath during grinding. May affect breathing capacity.	Terminate exposure and remove to fresh air. Obtain medical assistance.
Ingestion	No known adverse effects, but not recommended	Obtain medical assistance.
Absorption	Not absorbed through skin.	N/A
Skin contact	Grinding and cutting wheel may cause abrasions. Dust may cause skin irritation.	Terminate exposure and remove to fresh air. Obtain medical assistance.
Eye	Dust or fumes may cause eye irritation.	Fresh air and medical assistance.
Other	Excessive noise levels may exist in use.	Cease use. Obtain medical assistance.

Medical conditions such as emphysema and asthma may be aggravated during grinding and cutting.

Section VII – Precautions for Safe Handling and Use

Spills or leaks: Collect and pickup materials following normal precautions for inert nuisance dusts>

Disposal: Standard landfill methods consistent with applicable federal, state and local laws.

Storage: Store in a cool, dry place and as per ANSI B7.1

Normal Usage: Observe recommended running speeds. Provide adequate ventilation for nuisance dusts.

Also see ANSI B7.1

Section VIII - Control Measures

Respiratory Protection:

- Approved dust respirator protection required, see OSHA 29 CFR 1910-134

Ventilation: Local exhaust required Mechanical (general) recommended

Other: N/A

Protective Gloves: as desired by operator

Eye Protection: Required, see OSHA CFR 1910-133

Other Protective Clothing or Equipment:

- If applicable (apron)

- Face shield recommended

- Hearing Protection: Where required, see OSHA 29 CFR 1910-134 - Machine guards