



Material Safety Data Sheet VITRIFIED BONDED ABRASIVES

Section I - Company Information

Manufacturers Name:	Camel Grinding Wheels LTD
Address:	Kibbutz Sarid ISRAEL, 3658900
Emergency Telephone Number:	+972-4-6507216
Telephone Number for Information:	+972-4-6507400

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Section II - Composition and ingredients

<u>Description</u>	<u>CAS #</u>	<u>Percent</u>	<u>OSHA MG/M3</u>
Aluminum Oxide	1344-28-1	40 – 95	15
Crystallized Silica	60676-86-0	5 – 25	0.1

Section III – Hazards identification

Routes of Entry; Inhalation, Skin

Health Hazards (Acute and Chronic): May affect breathing capacity

Signs and Symptoms of Exposure: Inhalation, coughing, shortness of breath
Eye and skin irritation

Section IV – First aid measures

Emergency and First Aid Procedures:

- Inhalation overexposure: remove to fresh air and contact physician if needed
- Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
- Eye contact: wash with water, obtain medical assistance if needed
- Ingestion: no know adverse effects, but advisable to obtain medical assistance

Section V - Fire and Explosion Hazard Data

Flash Point: N/A

Flammable Limits: N/A

Extinguishing Media: Water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None, does not burn or explode

Section VI – Accidental release measures

Follow normal clean up procedures

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

- Ventilate area and collect material in safe manner.

Water Disposal Method:

- Standard landfill methods with federal, state and local laws.

Precautions to be Taken in Handling and Storing:

- Avoid mechanic damage, handle and store in accordance with ANSI B 7.1
- Inspect wheel prior to mounting.
- Make sure machine speed is compatible to speed of wheel

Other precautions:

- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels
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Section VIII - Control Measures

Respiratory Protection:

- Approved dust respirators 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)
 - Hearing Protection: Where required, see OSHA 29 CFR 1910-134
 - Face shield
 - Machine guards
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Section IX - Physical/Chemical Characteristics

Boiling Point: N/A
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR=1): N/A
Evaporation Rate: (Butyl Acetate=1): N/A
Appearance and Odor: Solid, may give off slight odor in use

Solubility in Water: N/A
Specific Gravity (H₂O=1): 1,7-2,5
Melting Point: N/A

Section X - Reactivity Data

Stability: Stable
Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0
Hazardous Polymerization: Will not occur
Hazardous Byproducts: Grinding dust may produce respiratory hazard

Section XI – Toxicological information

Carcinogenicity.
Silica, Amorphous , Fused ,IARC-3 ,NIOSH-X
LD50/LC50
Values are not appropriate or available.

Section XII – Ecological information

Vitrified products do not decay.

Section XIII – Disposal considerations

According to local regulations.

Section XIV – Transport Information

This product is not hazardous.

Section XV – Regulatory Information

Material description	Measuring Units	OSHA
Aluminum oxide	MG/M ³	15
Fused amorphous silica	MG/M ³	0.1
Silicone carbide	MG/M ³	10

Section XVI – Other Information

The information and recommendation that are presented here are taken from qualified sources and up to date till today.

The company takes no warranty with the respect to the accuracy of the information above and assume no liability to any user thereof.