

# Safety Data Sheet

## Section 1: Identification and Company Information

**Product identity/** *Vitrified Bonded Abrasive Products*  
**Trade Name:** Grinding wheels or Stones  
**Product Code:** 10.525 10.526 10.527

**Product Use:** Abrasive materials used for cutting and grinding metals, and building materials.

**Restrictions**  
**On use:** Use only as directed

**Distributor:** *Grobet File Company of America, LLC.*  
750 Washington Avenue  
Carlstadt, NJ 07072

**Phone Number:** 201-939-6700  
**Emergency Number:** ChemTel: 800-255-3924

**Effective Date:** May 11, 2015

## Section 2: Hazards identification

**Classification:** Not classified as hazardous as defined by the GHS and OSHA 29 CFR 1910.1200  
**Label Elements:** None required

Section 3: Composition/Information on Ingredients						
Chemical Name	May Contain the Following ingredients					
	ACGIH CAS#	OSHA TLV	NIOSH PEL	Carc. Y/N	Max. %	
Aluminum Oxide	1344-28-1	10mg/m <sup>3</sup>	15mg/m <sup>3</sup>	NA	N	95
Silicon Carbide	409-21-2	10mg/m <sup>3</sup>	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>	N	95
Treatment Phenolic Resin	NA	10mg/m <sup>3</sup>	NA	NA	N	10
Glass Bond	NA	NA	NA	NA	N	30

## Section 4: First Aid Measures

<b>Eyes:</b>	Immediately flush with plenty of water. Get medical attention if irritation persists.
<b>Skin:</b>	Wash skin with soap and water. Get medical attention if irritation persists.
<b>Inhalation:</b>	Move to fresh air.
<b>Other:</b>	If hearing problems persist, obtain medical assistance if necessary.

## Section 5: Fire Fighting Measures

<b>Flash Point:</b>	None
<b>Flammable Limits:</b>	None
<b>Extinguishing Media:</b>	Any media appropriate for surrounding the fire.
<b>Fire Fighting Equipment:</b>	Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.
<b>Fire and Explosion Hazards:</b>	None from this product. Consideration must be given to the potential fire/explosion hazards from the material being processed. Many materials create flammable/explosive dusts when ground.

## Section 6: Accidental Release Measures

<b>Clean Up:</b>	Use normal cleanup procedures.
<b>Disposal:</b>	Dispose of in accordance with local, state and federal regulations.

## Section 7: Handling and Storage

<b>Handling:</b>	Do not use at speeds greater than product was made to be used. Inspect wheel for damage on arrival and prior to mounting on machine. Avoid breathing dust. Avoid skin and eye contact with grinding dust. Use in well ventilated area.
<b>Storage</b>	Wheels should not be exposed to water or other solvents; any temperature or humidity conditions that causes condensation on wheels or freezing temperatures See ANSI B7.1.2.2

**Section 8: Exposure Controls/Personal Protection**

<b>Respiratory Protection:</b>	Use NIOSH approved respirators as required to maintain exposure below threshold limit values (TLV/TWA). See OSHA 29 CFR 1910.134.
<b>Skin Protection:</b>	Leather, cloth rubber or vinyl gloves as desired by user.
<b>Eye Protection:</b>	Safety goggles or safety glasses with side shields are recommended. See OSHA 29 CFR 1910.133.
<b>Hearing Protection:</b>	See OSHA 29 CFR 1910.95. concerning hearing protection.
<b>Engineering Controls:</b>	Local exhaust ventilation as necessary to keep dust levels below threshold Limit Values (TLV/TWA)
<b>Other Precautions:</b>	Visually inspect all wheels before mounting for possible damage. Do not operate above maximum operating speed. Always use a guard. Refer to ANSI B7.1 for the "Safety Requirements For the Use, Care Protection of Abrasive wheels"

**Section 9: Physical and Chemical Properties**

<b>Boiling Point:</b>	NA
<b>Vapor Pressure:</b>	NA
<b>Vapor Density:</b>	NA
<b>Specific Gravity:</b>	1.5_ 3.1
<b>Solubility in Water:</b>	Very slightly
<b>Freezing Point:</b>	NA
<b>Melting Point:</b>	NA
<b>pH:</b>	Not relevant
<b>Physical Form:</b>	Solid
<b>Color:</b>	Various
<b>Odor:</b>	None

## Section 10: Stability and Reactivity

<b>Stability (conditions to Avoid):</b>	This is stable material. Avoid over speed and unsafe use conditions.
<b>Incompatibility ( specific materials To avoid):</b>	Avoid strong acids and bases.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition:</b>	Dusts are generated in use. In most cases, dusts from the work piece will be significantly greater than from the grinding wheel. Coolants may produce other decomposition products.

## Section 11: Toxicological Information

### Health Hazards:

**Ingestion:** None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract

**Inhalation:** Dust may cause respiratory irritation.

**Eye:** Dust may cause eye irritation. Dust particle may cause abrasive injury to the eyes.

**Skin:** None expected under normal use.

**Sensitization:** This material is not known to cause sensitization.

**Chronic:** Long term over-exposure to respirable dust may cause lung damage(fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operation may affect hearing.

**Carcinogenicity:** None of the components is listed as a carcinogen or potential carcinogen by OSHA, NTP, or IARC.

**Medical Conditions Aggravated by Exposure:** Employees with pre-existing respiratory disease may be at risk from exposure.

**Measures of Toxicity:** This product and its components are not acutely toxic.

Aluminum Oxide: LD50 Oral rat >5,000 mg/kg, inhalation rat LC50 >7.6mg/L/1hr

Silicon Carbide: Oral rat LD50 >2000 mg/kg, Dermal rat LD50 >2000 mg/kg

## Section 12: Ecological Information

### Ecotoxicity:

Aluminum Oxide: 96hr LC50 Pimephales promelas 35mg/L

Silicon Carbide: No data available

## Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations

## Section 14: Transport Information

UN Number	Proper Shipping Name	Hazard Class	Packing Group	Environmental Hazard
DOT None	Not Regulated	None	None	
TDG None	Not Regulated	None	None	

**Special Precautions:** None identified

## Section 15: Regulatory Information

This product does not contain and was not manufactured with any Ozone Depleting Chemicals. This product is not subject to SARA 313 reporting.

## Section 16: Other Information

NFPA Rating: health = 1      Flammability = 0  
HMIS Rating: health = 1      Flammability = 0

Instability = 0  
Physical Hazard = 0

Date Previous MSDS: 3/16/2011

Date Revision; 5/11/2015      Changed all sections. Updated format to GHS

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