



MATERIAL SAFETY DATA SHEET CONFORMS TO FORM OSHA-20

ALUMINUM OXIDE PRODUCTS

SECTION 1 - NAME AND ADDRESS

Name & Address GRABBER 205 Mason Circle Concord, CA 94520	Emergency Telephone Number 1-800-477-8876
Chemical Name & Synonyms: Resinoid Aluminum Oxide Abrasive Products	Trade Name & Synonyms: Aluminum Oxide Abrasive Products
Chemical Family: Oxide Resin	Formula: Aluminum Oxide (range up to 50%) Cured Phenolic and Other Cured Resin

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredients:	CAS #	Percent	TLV
Aluminum Oxide	1344.28.1	+ 50%	10mg/cubic meter
Cured Resin	N/A	+ 7%	10mg/cubic meter
May contain one or more of the following:			
Cryolite	15096.52.3	+ 3%	2.5mg/cubic meter
Pyrite	N/A	+ 1%	2mg/cubic meter
Lime	1305.78.8	+ 1.5%	2mg/cubic meter
Sulphur	7704.34.9	+ 1%	10mg/cubic meter
Glass Mesh	N/A	+ 1%	10mg/cubic meter

SECTION 3 - PHYSICAL DATA

Boiling Point (degrees F.)	N/A
Vapor Pressure (mm HG)	N/A
Vapor Density (Air = 1)	N/A
Solubility in Water	Not soluble
Specific Gravity (H2O = 1)	Varies
Percentage Volatiles by Volume (%)	Zero
Evaporation Rate (_____ = 1)	N/A
Appearance and Odor	Solid, smooth or rough surface, brown to black in color, odorless

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point (Method Used)	N/A
Flammable Limits	N/A
Extinguishing Media	N/A
Special Fire Fighting Procedures	N/A
Unusual Fire and Explosion Hazard	N/A

SECTION 5 - HEALTH HAZARD DATA

Threshold Limit Value	10mg/cubic meter alumina
Effects of Overexposure	Material is classified under OSHA as inert or nuisance dust and would have the pulmonary effects of inert dust. Glass fabric with resin coating is used in some of the products as a safety reinforcement material.
Emergency and First-Aid Procedures	None should be required

SECTION 6 - REACTIVITY DATA

Stability	Very stable
Conditions to Avoid	None known
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition Products	Unknown
Hazardous Polymerization	Will not occur

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled	Collect material in a safe and convenient manner for reclamation or disposal.
Waste Disposal Method	Material should be disposed of in a secured, sanitary landfill in accordance with federal, state and local regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	MSHA or NOISH approved dust respiratory is required.
Ventilation	Exhaust system with proper filtration should be used. Keep air below TLV
Protective Gloves	As desired by end user
Eye Protection	Required, see OSHA 29CFR1910.133
Other Protective Equipment	Hearing protection, see OSHA 29CFR1910.215 (hearing protection)

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage	See ANSI Standard B7.1 (1978), store in dry area. Physical damage must be prevented. If damage is suspected, a 100% inspection of all items must be taken.
Other Precautions	1. Respiratory protection may be required in certain applications of high dust levels. Refer to ANSI 243.1 for additional recommendations. 2. Read and follow all instructions packed with abrasive wheels.