

#87068, 87069, 87079, 87095, 87096, 87700-87706, 87714-87733, 87738-87740, MATERIAL SAFETY 87754-87757, DATA SHEET 87773-87779,



BASICALLY CONFORMS TO FORM OSHA-20

DATE: 11/20/85 88833-8883

APPROVED BY: REL

*[Signature]* 1063

Aluminum Oxide (Metal) c/o wheels and grinding wheels.

**SECTION I - NAME & PRODUCT**

<b>NAME AND ADDRESS</b> Continental Abrasives 16761 Hale Avenue Irvine, CA 92714-5091	<b>EMERGENCY TELEPHONE</b> (714) 474-1101
<b>CHEMICAL NAME AND SYNONYMS</b> Resinoid Aluminum Oxide Abrasive Products	<b>TRADE NAME AND SYNONYMS</b> Resin Bonded Aluminum Oxide Abrasive Products, "A" Abrasive Wheels
<b>CHEMICAL FAMILY</b> Oxide Resin	<b>FORMULA</b> Aluminum Oxide (Range up to 50%) Cured Phenolic and Other Cured Resins

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS#	%	TLV
Aluminum Oxide	1344-28-1	+50%	10 mg/cu.M
Cured Resin	NA	+ 7%	10 mg/cu.M
May contain one or more of the following:			
Cryolite	15096-52-3	+ 3%	2.5 mg/cu.M
Lime	1305-78-8	+1.5%	2 mg/cu.M
Pyrite (FeS)	NA	+ 1%	2 mg/cu.M
Sulfur	7704-34-9	+ 1%	10 mg/cu.M
Glass Mesh	NA	+ 1%	10 mg/cu.M


**SECTION III - PHYSICAL DATA**

BOILING POINT (degrees. F.)	NA
VAPOR PRESSURE (mm HG)	NA
VAPOR DENSITY (Air = 1)	NA
SOLUBILITY IN WATER	Not soluble
SPECIFIC GRAVITY (H2O = 1)	Varies
PERCENTAGE VOLATILES BY VOLUME (%)	Ø
EVAPORATION RATE (_____ = 1)	NA
APPEARANCE AND ODOR	Solid, smooth or rough surface, brown to brownish red colors, odorless

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# MATERIAL SAFETY DATA SHEET

COMPANY NAME: MK TOOLS & ABRASIVES, INC.	CONTACT: SAFETY DEPT.
ADDRESS: 7250 BANDINI BLVD. #113, COMMERCE, CA. 90040	EMERGENCY PHONE
TRADE NAME, COMMON NAME OR SPECIFICATION: COATED ABRASIVES	APPROVED BY: 
CHEMICAL FAMILY: ALUMINUM OXIDE	DATE: 1-1-91

### SECTION 2 : COMPOSITION

CHEMICAL NAME	COMMON NAME	REG *	CAS#	OSHA PERMISSIVE EXPOSURE LIMIT	ACTIVE TLV	CARCINOGEN
SILICON CARBIDE	SAME	Y	409-21-2	15MG/M <sup>3</sup>	10MG/M <sup>3</sup>	N
ALUMINUM OXIDE	SAME	Y	1349-28-1	15MG/M <sup>3</sup>	10MG/M <sup>3</sup>	N
ZIRCONIUM ALUMINA	SAME	Y	1314-23-4	15MG/M <sup>3</sup>	10MG/M <sup>3</sup>	N

### SECTION 3 : PHYSICAL AND CHEMICAL DATA

BOILING POINT: N/A	MELTING POINT: N/A
VAPOR PRESSURE: N/A	PERCENT VOLATILE BY VOLUME: N/A
EVAPORATION RATE: N/A	SOLUBILITY IN WATER: N/A
SOLUBILITY IN OTHER SOLVENT: N/A	APPEARANCE AND COLOR: COLOR OF FIBRE/COATED WITH ABRASIVE MATERIAL
	SPECIFIC GRAVITY: N/A
	VAPOR DENSITY: N/A
	SOLUBILITY IN ALCOHOL: N/A

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SECTION 4 : FIRE & EXPLOSION HAZARD DATA

FLASH POINT: N/A	METHOD USED: N/A	FLAMMABLE LIMITS : N/A UEL-N/A
EXTINGUISHING MEDIA : N/A		
SPECIAL FIRE FIGHTING PROCEDURES: BACKING & RESIN BINDER WILL BURN OR DECOMPOSE. USE RESPIRATORY PROTECTION		
EXPLOSION POTENTIAL: N/A		

SECTION 5 : HEALTH , FIRST AID AND MEDICAL DATA

PRIMARY ROUTES OF EXPOSURE	ACUTE & CHRONIC HEALTH EFFECTS	FIRST AID & MEDICAL INFORMATION
INHALATION	ACUTE - MAY CAUSE COUGHING , SHORTNESS OF BREATH, CHRONIC - MAY EFFECT BREATHING CAPACITY	REMOVE TO FRESH AIR APPLY ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN FIRST AID OR MEDICAL ASSISTANCE.
INGESTION	(DUST) NO KNOWN ADVERSE EFFECT, BUT, INGESTION NOT RECOMMENDED.	OBTAIN FIRST AID OR MEDICAL ASSISTANCE IF NEEDED
SKIN	NOT ABSORBED THROUGH SKIN. MAY CAUSE ABRASIONS	OBTAIN FIRST AID OR MEDICAL ASSISTANCE IF NEEDED
EYE CONTACT & ABSORPTION	DUST MAY IRRITATE EYES.	WASH WITH LARGE AMOUNTS OF WATER. OBTAIN MEDICAL ASSISTANCE, IF NEEDED
OTHER POTENTIAL HEALTH RISKS	DURING USE ON SOME MATERIALS, ELEVATED SOUND LEVELS MAY BE CREATED WHICH AFFECT HEARING	OBTAIN MEDICAL ASSISTANCE