



Material Safety Data Sheet

SECTION I - NAME AND PRODUCT

MANUFACTURER'S NAME:	KLINGSPOR ABRASIVES, INC. PO Box 2367, 2555 Tate Blvd. SE, Hickory NC 28603-2367 tel. 828-322-3030 • fax. 828-326-0296
DATE OF ISSUE:	January 01, 2003
TRADE NAME, COMMON NAME, OR SPECIFICATION:	Coated Abrasive Specialities
CHEMICAL FAMILY OR PRODUCT TYPE:	Cartridge Rolls, QMC Quick Change Discs, QRC Quick Change Discs

SECTION II - COMPOSITION

CHEMICAL NAME	%	REG* Y/N	CAS NO.	OSHA EXPOSURE LIMIT	ACGIH TLV	CARCINOGEN Y/N
Aluminum Oxide, Non-Fibrous	0-75	Y	1344.28.1**	15mg/m ³	10mg/m ³	N
Silicon Carbide	0-75	Y	409.21.2	15mg/m ³	10mg/m ³	N
Zirconia Oxide	0-30	Y	1314.23.4	15mg/m ³	10mg/m ³	N
Cured Adhesive Resins	10-15	N	--	15mg/m ³	10mg/m ³	N

* Materials are regulated by OSHA 29CFR1910.1200, Hazard Communication Standard.

Note: Standard Abrasives regards these products as "articles" as defined in the Federal Occupational Safety and Health Administration Hazard Communication Standard, 29CFR1910.1200. The use of approved respirators, ventilation equipment, face and hand protection is recommended for the safe use of these products. Definition of "Article" per 29CFR1910.1200 7/1/88 edition: "Article" means manufactured item: (i) Which is formed to a specific shape or design during manufacture; (ii) Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) Which does not release, or otherwise result in exposure to a hazardous chemical, under normal conditions of use.

** The EPA has designated that non-fibrous forms of aluminum oxide are not a toxic chemical under Section 313 of SARA.

SECTION III - PHYSICAL AND CHEMICAL DATA

BOILING POINT:	N/A	MELTING POINT:	N/A	SPECIFIC GRAVITY:	N/A
VAPOR PRESSURE:	N/A	PERCENT VOLATILE BY VOLUME:	N/A	VAPOR DENSITY:	N/A
EVAPORATION RATE:	N/A	SOLUBILITY IN WATER:	N/A	SOLUBILITY IN ALCOHOL:	N/A
SOLUBILITY IN OTHER SOLVENT:	N/A	APPEARANCE/ODOR: Roll, disc, wheel or sheet coated with abrasive material.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A	(METHOD USED):	N/A
FLAMMABLE LIMITS:	LEL: N/A	UEL:	N/A
EXTINGUISHING MEDIA:	N/A		
SPECIAL FIRE FIGHTING PROCEDURES:	Backings and resin binder will burn or decompose, use respiratory protection.		
EXPLOSION POTENTIAL:	N/A		

SECTION V - HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (DURING USE)	Acute: May cause coughing (dust), 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 effects, but ingestion not recommended.	Obtain first aid or medical assistance, if needed.
SKIN CONTACT & ABSORPTION	Not absorbed through skin. May cause abrasions.	Obtain first aid or medical assistance, if needed.
EYE	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.

SECTION VI - CORROSIVITY AND REACTIVITY DATA	
STABILITY:	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
POLYMERIZATION:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur
INCOMPATIBILITY (MATERIALS TO AVOID):	Not applicable
DECOMPOSITION PRODUCTS:	In-use dust and decomposing resin system fumes are generated. In most cases, the material removed from the work piece will be significantly greater than the coated abrasive product components.
CONDITIONS TO BE AVOIDED:	Not applicable
SECTION VII - STORAGE, HANDLING AND USE PROCEDURES	
NORMAL STORAGE AND HANDLING:	Handle with adequate ventilation. See OSHA 29CFR1910.94, (Ventilation), and OSHA 29CFR1910.1000,(Air Contaminants).
NORMAL USE:	Handle with adequate ventilation. See OSHA 29CFR1910.94, (Ventilation), OSHA 29CFR1910.1000, (Air Contaminants) and OSHA CFR1910.213(P),(Sanding Machines).
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:	Normal clean up procedures.
WASTE DISPOSAL METHOD:	Standard landfill methods consistent with applicable Federal, State, and local laws.
SECTION VIII - PERSONAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION (SPECIFY TYPE):	As needed, approved dust respirator. See OSHA 24CFR1910.134
VENTILATION:	LOCAL: Recommended MECHANICAL: Recommended. OTHER: No applicable information found.
PROTECTIVE GLOVES:	As desired by user.
EYE PROTECTION :	Recommended. See OSHA 29CFR1910.133,(Face & Eye Protection).
OTHER EQUIPMENT:	As needed, hearing protection. See OSHA 29CFR1910.215, (Hearing Protection).
MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL:	See Sections VI, VII and VIII.
SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Not applicable.
OTHER PRECAUTIONS:	Not applicable.
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