



KLINGSPOR
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Material Safety Data Sheet

SECTION 1 - NAME AND PRODUCT

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KLINGSPOR ABRASIVES, INC.	2555 Tate Blvd. SE, PO Box 2367, Hickory, NC 28603-2367 (828) 322-3030 FAX (282) 322 6060
PRODUCT:	SPEED E CUT (ECO)
CHEMICAL NAME:	Resinoid Bonded Metallic Abrasive
CHEMICAL FAMILY:	Metals / Bonded resins
HAZARD CLASSIFICATION:	Non-Hazardous

SECTION 2 - COMPOSITION

CHEMICAL NAME	MAX %	COMMON NAME	OSHA REG.	OSHA PEL	ACGIH TLV	CASE #	CARCINOGEN
Alumina	20	Aluminum Oxide	Y	10mg/m3	10mg/m3	1344-28-1	N
Iron Oxide	.05	Iron Oxide	Y	10mg/m3	5mg/m3	1309-37-1	N
Silicon Dioxide	4	Silicon Oxide	N	6mg/m3	NAIF	7631-86-9	N
Sodium Hexafluoro	7	Cryolite	Y	NAIF	2.5mg/m3	15096-53-3	N
Calcium Merasil.	3	Wollastonite	Y	NAIF	NAIF	13983-17-0	N
Prepreg Fiber	5	Fiberglass	Y	NAIF	10mg/m3	NAIF	N
Silicon Carbide	80	Silicon Carbide	N	10mg/m3	10mg/m3	409-21-2	N

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State	Solid	Boiling Point	N/A	Specific Gravity (H2O=1)	2-4
Vapor Pressure (mm Hg)	0	Freezing Point	N/A	Odor Threshold	N/A
Vapor Density (Air=1)	0	Melting Point	N/A	pH	N/A
Solubility in Water	1%	% Volatile	N/A	Evaporation Rate	None
Odor / Appearance	Odorless/Dark colored solid		Coefficient at Water/Oil Distribution		N/A

SECTION 4 - FIRE AND EXPLOSION DATA

Means of Extinguishing:	Water or Carbon Dioxide
Unusual Fire and Explosion Hazards:	N/A
Special Fire Fighting Procedures:	Firefighters should wear SCBA's to avoid inhalation of smoke or vapors

SECTION 5 - REACTIVITY DATA

Stability:	Stable. This material presents no reactivity hazard
Conditions to avoid:	None
Incompatibility (materials to avoid):	None
Hazardous polymerization:	None
Hazardous combustion or decomposition products:	Abrasive disk utilization creates dust, decomposition odors and workplace material removal.

SECTION 6 - HEALTH HAZARD DATA	
Acute Affects of Exposure	
Skin Irritation (rash):	Respiratory tract irritation, G.I. disturbances, nausea, vomiting.
Ingestion:	Gastrointestinal disturbances.
Inhalation (breathing):	Metallic dust inhalation causes coughing, irritation of the nose, throat and mucous membranes.
Skin (contact and absorption):	Phenolic resins can cause skin irritation / rash
Eye (contact):	Metal fragments will cause eye damage.
Chronic Effects of Exposure: Chronic high level exposures to silica dust can cause pulmonary fibrosis. Iron exposure can cause metal fever in high level exposures.	
Emergency First Aid:	
Eye (contact):	Flush eyes with clean water for 15 minutes. Do not wear contact lenses.
Skin (contact):	Wash arms, face, legs or affected area with soap and water
Ingestion (swallowing):	Obtain medical assistance.
Inhalation (breathing):	Obtain medical assistance. Respirator required.
Other Health Hazards:	Cuts, abrasions, puncture wounds from unsafe product utilization.
SECTION 7 - SPILL OR LEAK PROCEDURES	
Steps to be taken:	Solid abrasive disks pose no spill/leak hazards. Use normal clean up / sweeping procedures. Keep dust metal residue off skin.
Waste Disposal Method:	Sanitary landfill or in accordance with local and state regulations.
SECTION 8 - PERSONAL PROTECTION	
Respiratory protection: MSHA/NIOSH approved respirators recommended or face dust masks	
Ventilation:	Local Exhaust: Preferable
	Mechanical (general): Acceptable
Other:	Ventilation meeting ACGIH standards
Protective Gloves:	leather gloves preferred
Other protective equipment:	Comply with ANSI B7.1 safety issues. An eye bath/safety shower must be available.
SECTION 9 - STORAGE AND HANDLING	
Precautions to be taken:	Handle carefully. If grinding/cut off wheels are dropped or damaged, serious bodily injury can result from product break up and separation.
Other Precautions:	Abrasive grinding/cut off wheels shall not be stored subject to water or solvent contact.

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