



KLINGSPOR
The Most Sanding Power for Your Money!®

Material Safety Data Sheet

SECTION 1 - NAME AND PRODUCT

JANUARY 01, 2011	
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.

The information and recommendations set forth herein are taken from sources and references believed to be accurate and complete as of the date hereof. However, KLINGSPOR ABRASIVES, INC. makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

