



MK Diamond Products, Inc.

FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL (CHEMTREC) 800-424-9300. THIS MSDS COMPLIES WITH 29 CFR 1919. 1200 (THE HAZARD COMMUNICATION STANDARD)

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product / Chemical Name:
Diamond Blades (Metal Bonded & Electroplated) and Grinding Wheels

Product Type: N/A

Formula: N/A

Section 2 - Hazardous Ingredients

Exposure Limits in Air

Chemical Name & Common Names	CAS Numbers	ACGIH TLV MG/M ³	OSHA PEL MG/M ³	Carcinogen (Y/N)
Cobalt	7440-48-4	0.1	0.1	N
Copper	7440-50-8	1.0	1.0	N
Tin	7440-31-5	NAIF	NAIF	N
Nickel	7440-02-0	1.0	1.0	Y
Iron	7439-86-6	15.0	NAIF	N
Tungsten Carbide	7440-37-7	5.0	5.0	N
Silicon	7440-21-3	10.0	15.0	N
Carbon	7440-44-0	3.5	3.5	N
Chromium	7440-47-3	0.5	1.0	Y
Epoxy Resin (hardened)	NAIF	NAIF	NAIF	N

(*) Materials are regulated by OSHA 29 CFR 1910, 1200, Hazard Communication Standard.

Section 3 - Physical and Chemical Properties

Vapor Density (AIR=1): N/A

Specific Gravity: 7-14

Solubility in Water: Insoluble

Vapor Pressure, mmHg at 20° C: N/A

Appearance and Odor: Solid metallic appearance, Odorless. (Resin portion may give off odor in use)

Percent Colatile by Vol: 0

Solubility in other Solvent: Soluble in strong mineral acids

* Diamond Electroplated Blades have Ni-plated diamond grains on steel center.

Melting Point or Range: 630°C - 1200°C

Boiling Point or Range: N/A

Evaporation Rate (Butyl Acetate=1): N/A

Solubility in Alcohol: Insoluble

Melting Point of Resin: N/A

Specific Gravity of Resin: 0.7 - 1.2

Section 4 - Fire and Explosion

Flash Point, °F: N/A

Auto Ignition Temperature: N/A

Flammable Limits in Air, Vol%: N/A

Fire Extinguishing Materials: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazards: N/A

Section 5 - Health Hazard Information

Symptoms of Overexposure for each Potential Route of Exposure.

Inhaled: During sawing or grinding, dust can irritate nose or throat, which may cause coughing, wheezing or shortness of breath.

Contact with Skin or Eyes: During sawing or grinding, some may experience skin or eye irritation from dust.

Contact through Skin: During sawing or grinding, some may experience skin irritation from dust.

Health Effects or Risks from Exposure: Acute: (During sawing or grinding) coughing, wheezing or shortness of breath.

Chronic: (During sawing or grinding) may affect to breathing capacity.

First Aid (Emergency Procedures)

Eye Contact: If irritation occurs, flush with copious amount of water. If irritation persists, seek medical attention.

Skin Contact: If irritation or rash occurs, wash affected area thoroughly with soap and water. Seek medical attention.

Inhaled: If symptoms develop (coughing, wheezing, shortness of breath, etc.) remove from the exposure and seek medical attention.

Suspected Cancer Agent?: Yes: This product's ingredients are listed and regulated as carcinogen by OSHA 29 CFR 1919.1200, Hazard Communication Standard.

Medical Conditions Aggravated by Exposure: NAI

Section 6 - Corrosivity and Reactivity Data

Stability: Stable

Incompatibility (Materials to Avoid): NAIF

Hazardous Decomposition Products

(Including Combustion Products): NAIF

Hazardous Polymerization: Will not occur

Section 7 - Spill, Leak and Disposal Procedures

Spill or leak response procedures

(Including employee protection measures): Solid Metal, N/A

Preparing Wastes for Disposal

(Container type, neutralization, etc.): Standard methods consistent with applicable federal, state and local regulations.

Section 8 - Special Handling Information

Ventilation and Engineering Controls: During sawing or grinding, handle with adequate ventilation for nuisance dust. See OSHA 29 CFR 1910.94 (Ventilation) and CFR 1910.1000 (Air contaminants). See ANSI standard B7-1, Section 2.

Respiratory Protection: During sawing or grinding, use an appropriate NIOSH approved respirator if airborne dust concentrations exceed the appropriate PEL or TLV.

Eye Protection: Recommended (during sawing or grinding)

Gloves: Recommended (during sawing or grinding)

Other Clothing and Equipment: During sawing or grinding, use other protective equipment such as flame retardant clothing if applicable, See OSHA 29 CFR 1910.215 (Hearing Protection).

Work Practices and Hygienic Practices: During sawing or grinding, use safety guards. Make sure all the guards are in place.

Other Handling and Storage Equipments: See ANSI standard B7.1.

Protective Measures During Maintenance of Contaminated Equipment: NAIF

Note: N/A - Not Applicable

NAIF = No Applicable Information Found