

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**

Date of Preparation: May 28, 1996

Section 1 - Chemical Product and Company Identification

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

Distributor Name: Alpha Professional Tools®
Address: 103 Bauer Drive, Oakland, NJ 07436
Emergency Tel. No.: 800-648-7229

Product Type: N/A

Formula: N/A

Section 2 - Hazardous Ingredients

| Chemical Name & Common Names | CAS Numbers | Exposure Limits in Air | | Carcinogen (Y / N) |
|---------------------------------|-------------|----------------------------------|---------------------------------|-----------------------|
| | | ACGIH TLV MG / M ³ | OSHA PEL MG / M ³ | |
| 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 | Melting Point or Range: 630°C - 1200°C |
| Specific Gravity: 7 - 14 | Boiling Point or Range: N/A |
| Solubility in Water: Insoluble | Evaporation Rate (Butyl Acetate=1): N/A |
| Vapor Pressure, mmHg at 20°C: N/A | Solubility in Alcohol: Insoluble |
| Appearance and Odor: Solid metallic appearance, Odorless. (Resin portion may give off odor in use) | Melting Point of Resin: N/A |
| Percent Colatile by Vol: 0 | Specific Gravity of Resin: 0.7 - 1.2 |
| Solubility in other Solvent: Soluble in strong mineral acids | |

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

Section 4 - Fire and Explosion

| | |
|---|--|
| Flash Point, °F: N/A | Fire Extinguishing Materials: N/A |
| Auto Ignition Temperature, °F: N/A | Special Fire Fighting Procedures: N/A |
| Flammable Limits in Air, Vol%: 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