




SAFETY DATA SHEET

Section 1 Identification

Name: Electroplated Nickel	Common Name: Nickel Plated Diamond or Cubic Boron Nitride
Manufacturer: Continental Diamond Tool Corp	Address: 1221 Hartzell St.
City: New Haven	State: Indiana
Postal Code: 46774	Contact: Raymond Viggiano
Emergency Phone: 260-493-1294 Phone: 260-493-1294	Recommended Use: Super Abrasive Tooling

Section 2: Hazard Identification

Hazard Classification: Irritant
Signal Word: Warning
Hazard Statement: Grinding dust may cause respiratory, skin and/or eye irritation.
Pictogram: 
Precautionary Statement: Handle with adequate ventilation. See OSHA 29 CFR 1910.92 (ventilation) and 29 CFR 1910.1000 (air contaminants). Use with approved dust respirator (see OSHA 29 CFR 1910.134)
Hazards not otherwise classified: N/A
Percentage of ingredients with unknown toxicity: none

Section 3: Composition/Information on Ingredients

Chemical Name	Common Name / synonym	CAS	REG (Y or N)
Nickel Metal	Nickel Metal	7440-02-0	Y

Section 4: First Aid Measures

Routes of Exposure	Acute Effects	Chronic Effects	Recommended Medical Attention
Inhalation	May cause coughing, wheezing and shortness of breath	May affect breathing capacity	Remove to fresh air, obtain medical help as needed
Eyes	May cause irritation of eyes	Nickel can cause damage to corneas	Wash with large amounts of water, obtain medical help if needed
Skin Contact and absorption	Not absorbed through skin	Dermatitis may develop	Obtain first aid or medical help "nickel itch"
Ingestion	No known adverse effects but ingestion not recommended		Obtain first aid or medical assistance, if needed
Other potential health risks		Nickel has been associated with destruction of nasal tissues, asthmatic lung disease, and lung and nasal cancer.	Obtain medical help if needed

Section 5: Fire Fighting Measures

Suitable extinguishing material: CO2, water, dry chemicals, foam
Extinguishing material not suitable:
Hazards created from chemical burning: Hydrogen gas, toxic gases and vapors (such as nickel carbonyl and oxides of nitrogen) may be released in a fire involving nickel or in a decomposition of nickel compounds
Special protective equipment or precautions for firefighters: Approved self-contained breathing apparatus needed

Section 6: Accidental Release Measures

Personal precaution/protective equipment during clean up from spill:
Emergency procedures during clean up: None
Methods and material for containment:
Clean up procedure: Normal housekeeping clean up procedures

Section 7: Handling and Storage

Precautions for safe handling: Comply with American National Standards Institute B7.1 and OSHA act which governs storage, handling and use of this product
Safe hygiene practices:
Conditions for safe storage: Normal storage and handling, see ANSI Standard B7.1

Section 8: Exposure Controls/Personal Protection

Chemical	OSHA/PEL	ACGIH/TLV
Nickel Metal	1mg/m ³	1mg/m ³

Respiratory Protection	Approved dust respirator needed, see OSHA 29 CFR 1910.134
Protective Gloves	As desired by user
Eye Protection	Recommended See OSHA 29 CFR 1910.133
Other Equipment	Ear protection recommended when using this product (see OSHA 29 CFR 1910.215) hearing protection
<p>Measures to be taken during repair and maintenance of contaminated equipment that has been in contact with this material:</p> <p>Dust should be kept to a minimum. The use of an air hose in cleaning of machine is NOT recommended. Swarf generated with the use of this product should be disposed of according to Local, State and Federal regulations.</p>	

Section 9: Physical and Chemical Properties

Appearance	Silver grey metallic	Odor	Odorless	Vapor density	N/A
Vapor pressure	20C essentially	Melting Point	1453C 2648F	Boiling point	2730C 4926F
Solubility in other solvent	Strong Acids	Evaporation Rate	N/A	Flammability limit	
Specific Gravity	8.9	Percentage volatile by volume	N/A	Solubility in water	Insoluble
Flash Point	N/A	Explosion Potential	None		

Section 10: Stability and Reactivity

Conditions to be avoided: Nickel compounds NAIF
Incompatible Materials to Avoid: Strong Acids, HCL, HNO3
Hazardous decomposition products: Hydrogen gas, toxic gases and vapors (such as nickel carbonyl and oxides of nitrogen) may be released in a fire involving nickel or in decomposition of nickel compounds

Section 11: Toxicological Information

Routes of Exposure	Acute Effects	Chronic Effects
Inhalation Dust	May cause coughing, shortness of breath and wheezing	Nickel dust has been associated with destruction of nasal tissues, asthmatic long disease, and lung and nasal cancer
Eyes	May cause irritation of eyes	Nickel can cause damage to corneas
Skin Contact and Absorption	Not absorbed through the skin	Dermatitis may develop
Ingestion	No known adverse effects but ingestion not recommended	
Other		Nickel dust has been associated with destruction of nasal tissues, asthmatic lung diseases, and lung and nasal cancer
Chemical	Carcinogen (Y/N)	
Nickel	Y	

Section 12: Ecological Information (non-mandatory)

Section 13: Disposal Consideration (non-mandatory)

Swarf generated with the use of this product should be disposed of according to Local, State and Federal regulations

Section 14: Transport Information (non-mandatory)

Section 15: Regulatory Information (non-mandatory)

Section 16: Other