

DIANAMIC ABRASIVE INC. SAFETY DATA SHEET

Written as per OSHA 29 CFR

Date Created: 8/22/23



Section 1: Identification

1.1 - Product Identifier:

Electroplated Diamond and CBN Products

1.2 - Manufacturer Name and Address:

Dianamic Abrasive Products, Inc.
2566 Industrial Row Drive
Troy, MI 48084
United States of America

T: +1-248-280-1185

F: +1-248-280-2733

1.3 - Emergency Telephone Number

Phone Number: 248-280-1185

1.4 - Recommended Use of Product

These tools are used for grinding.

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Section 2: Hazard(s) Identification

2.1 - Hazard Classification (Statements)

H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility of the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life

Source: ["Globally Harmonized System of Classification and Labelling of Chemicals"](#) (pdf). 2021. Annex 3: Codification of Statements and Pictograms (pp 268–385).

2.2 - Signal Word



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Signal Word: **Danger** (Health Hazard)

HEALTH HAZARD



Carcinogen
Mutagenicity
Reproductive Toxicity
Respiratory Sensitizer
Target Organ Toxicity
Aspiration Toxicity

2.5 - Precautionary Statements

P260	Do not breathe dust or fumes
P262	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection.
P314	Get medical attention if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Source: [GHS H and P-codes.pdf \(chem-space.com\)](https://chem-space.com)

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Section 3: Composition/Information on Ingredients

Chemical Name	Common Name	CAS	CARCINOGEN (Y or N)
Industrial Diamond	Diamond	7782-40-3	N
Cubic Boron Nitride	CBN	10043-11-5	N
Steel Core	Steel	12597-69-2	N
Aluminum Core	Aluminum	7429-90-5	N
Nickel	Nickel	7440-02-0	Y

Section 4: First - Aid Measures

PRIMARY ROUTES OF INHALATION. ACUTE AND CHRONIC HEALTH. FIRST AID AND MEDICAL INFORMATION. INHALATION OF DUST AND POWDER MAY CAUSE COUGHING AND SHORTNESS OF BREATH. MOVE EXPOSED VICTIM TO FRESH AIR. CHRONIC, SEEK MEDICAL ATTENTION. MAY CAUSE ASTHMATIC LUNG DISEASE, LUNG AND NASAL CANCER. INGESTION MAY CAUSE NAUSEA. SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING IN AN UNCONSCIOUS VICTIM. SKIN ACUTE, NOT ABSORBED THROUGH FLUSH SKIN WITH LARGE AMOUNTS OF WATER. SKIN. MAY CAUSE NICKEL SENSITIVITY (NICKEL ITCH). CHRONIC, MAY CAUSE DERMATITIS. SEEK MEDICAL ATTENTION. EYE ACUTE, MAY CAUSE IRRITATION. FLUSH WITH LARGE AMOUNTS OF WATER. CHRONIC, MAY CAUSE CORNEA DAMAGE. SEEK MEDICAL ATTENTION. OTHER POTENTIAL HEALTH RISKS. NICKEL DUST / POWDER HAS BEEN ASSOCIATED WITH ASTHMATIC LUNG DISEASE. WASH SKIN THOROUGHLY AFTER DISEASE, LUNG AND NASAL CANCER. AFTER EACH EXPOSURE. USE WITH ADEQUATE VENTILATION.

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Section 5: Fire-Fighting Measures

5.1 - Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or CO₂ (carbon dioxide) as suitable extinguishing media.

5.2 Special Hazards

Hydrogen gas, nickel carbonyl and nitrogen oxides.

5.3 - Special Protective Equipment or Precautions for Firefighters

Approved self-contained breathing apparatus

Section 6: Accidental Release Measures

There are no emergency procedures during cleanup. Normal housekeeping procedures may be used to clean any accidental release.

Section 7: Handling and Storage

Must comply with American National Standards Institute B7.1.
Must comply with OSHA Act.

Normal storage and handling as per ANSI B7.1.

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Section 8: Exposure Controls/Personal Protection

Threshold Limits/ Exposure Limits as per OSHA and the American Conference of Governmental Industrial Hygienists (ACGIH)

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

Appropriate Engineering Controls

Respiratory Protection: See OSHA 29 CFR 1910.34 for dust respirator

Protective Gloves: User choice

Eye protection:

Other Equipment: Ear protection recommended when using sandblaster as per OSHA 29 CFR 1910.215.

Section 9: Physical and Chemical Properties of Nickel

Appearance: Solid

Upper/Lower Flammability or Explosive Limits: No data available

Odor: None

Vapor Pressure: No data available

Odor Threshold: No data available

Vapor Density: 1 mmHg at 1810 °C

pH: No data available

Relative Density: No data available

Melting Point: 1455 °C - 2651 °C

Freezing Point: No data available

Solubility: 8.9 g/mL @ 25 °C

Initial Boiling Point and Range: 2730 °C

Flash Point: No data available

Evaporation Rate: No data available

Flammability (solid, gas, liquid): No data available

Partition Coefficient: No data available

Auto-Ignition Temperature: No data available

Decomposition Temperature: 400 °C

Viscosity: No data available

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Section 10: Stability and Reactivity

10.1 - Reactivity

It is stable under normal conditions and in the presence of flames. There is no risk of polymerization. No conditions to avoid.

10.2 - Chemical Stability

It is stable under normal conditions and in the presence of flames. There is no risk of polymerization. No conditions to avoid.

10.3 - Other

Grinding wheels generate swarf and dust while in use. Some coolants used may cause decomposition products.

Section 11: Toxicological Information

Nickel (7440-02-0)

IARC Group	2B
NTP Status	Human Carcinogen
OSHA	Human Carcinogen

Routes of Exposure: Inhalation, Ingestion, Skin, and Eye Contact

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Exposure Information		
	Short Term	Long Term
Immediate	Inhalation: Dust may be harmful or cause irritation. May cause coughing, shortness of breath, or weezing. Ingestion: N/A (no known adverse effects) Skin: NOT absorbed through the skin Eye: May cause slight eye irritation	Inhalation: May cause asthma, destruction of nasal tissue, and cancer. Ingestion: N/A (no known adverse effects) Skin: Dermatitis
Delayed		Skin Contact: dermatitis
Chronic Effects		Nickel powder is a suspected carcinogen. Causes damage to lungs with long term inhalation and may lead to cancer.
sections 11-15 are not mandatory		

Section 16: Other Information	
Date Created: 8/22/23	Revision 1 TC
Revision:	Date:
Revision:	Date:

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STATEMENT: The stated information is in accordance to OSHA 29 CFR requirements.