

# Material Safety DATA SHEET

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For chemical emergency spill, leak, fire, exposure or accident call (CHEMTREC) 800-424-9300. This MSDS complies with 29 CFR 1919.1200 (The Osha Hazard Communication Standard).

## Section 1: Identification

**Product / Chemical Name:**

**Diamond tools (Electroplated Cutting Blade)**

**Product Identification No:** Cutting-off wheel  
(Metal bonded diamond saw blade)

**Chemical Family:** N/A

**Trade Name and Synonyms:** N/A

**Molecular Weight:** N/A

**Chemical Name:** N/A

**Chemical Formula:** N/A

**Material Use:** N/A

**Application:** Cutting off brittle materials (Marble,FRP,GRP,etc.)  
See the table on the product package

**Distributor Name:**

Alpha Professional Tools®

**Address:**

103 Bauer Drive, Oakland, NJ 07436

**Emergency Tel. No.:**

800-648-7229

## Section 2: Hazard(s) Identification

**GHS Classification :** Not applicable

**Unclassified Hazards :** Not applicable

**Percentage of Ingredients with Unknown Toxicity :** 0%

Abrasives are not dangerous substances or preparations  
See also section 8.

## Section 3: Composition/Information on Ingredients

Name	CAS	Concentration area (wt%)
Diamond	7782-40-3	1.0-5.0
Nickel	7440-02-0	1.0-10.0
Iron	7439-89-6	80-90
Carbon	7440-44-0	0-1.0
Silicon	7440-21-3	0-1.0
Chromium	7440-47-3	0-1.0
Manganese	7439-96-5	0-1.0
Molybdenum	7439-98-7	0-0.5

The specific percentages of composition have been withheld as trade secrets.

## Section 4: First-Aid Measures

See also section 8

**Inhalation:** Not possible, due to the form of the product

**Eye contact:** Not possible, due to the form of the product

**Skin contact:** No harmful effects known

**Ingestion:** Not likely, due to the form of the product

If necessary contact physician

Most important Not applicable

**Symptoms:**

**Immediate medical** Not applicable

**Attention required:**

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## Section 5: Fire-Fighting Measures

**Extinguishing Media:** water, foam, sand, powder or CO2 as appropriate for surrounding materials

**Specific hazards arising:** Toxic fumes may occur.

**Specific protective equipment for fire-fighters:** Use respiratory protective equipment.

## Section 6: Accidental Release Measures

**Personal precautions:** Not applicable.

**Methods and materials for cleaning up:** Not applicable.

## Section 7: Handling and Storage

**Precautions for safe handling:** Follow instructions and the relevant national regulations.

**Conditions for safe storage:** Observe the safety recommendations of the manufacturer.

## Section 8: Exposure Controls/Personal Protection

Before cutting risk assessment should be performed and individual personal protection measures adopted accordingly.

**8.1 Exposure Limits** Keep limits of the following components under surveillance

(Observe the regional official regulations for dust)

Name	CAS	OSHA PEL	ACGIH TLV
Nickel	7440-02-0	1.0 mg/m <sup>3</sup>	1.5 mg/m <sup>3</sup>
Carbon	7440-44-0	3.5 mg/m <sup>3</sup>	3.0 mg/m <sup>3</sup>
Silicon	7440-21-3	5.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>
Chromium	7440-47-3	0.5mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>
Manganese	7439-96-5	5.0 mg/m <sup>3</sup>	0.02 mg/m <sup>3</sup>
Molybdenum	7439-98-7	15.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>

**Note:** Hazardous dust of work piece material may be generated during grinding and/or cutting operations.

### 8.2. Exposure control and limitations

**8.2.1. Exposure control and limitations of the work environment** Observe the regional official regulations for dust

**8.2.1.1. Respiratory protection:** Use respiratory equipment (type depends on specific application and material being ground)

**8.2.1.2. Hand protection:** Wear protective gloves (type depends on specific application and material being ground)

**8.2.1.3. Eye protection:** Wear protective hats, goggles or face shield (type depends on specific application and material being ground)

**8.2.1.4. Hearing protection:** Use hearing protection (type depends on specific application and material being ground)

**8.2.1.5. Body protection:** Use protective clothing (type depends on specific application and material being ground)

**Work piece material** Since the silica(SiO<sub>2</sub>) occurs within material of concrete, stone, tile, etc., wear protective equipment in processing

## Section 9: Physical and Chemical Properties

**9.1 Physical state:** Solid

**9.2 Color:** Variable

**9.3 Solubility in water:** Not defined

**9.4 Odor:** Not defined

**9.5 Odor threshold:** Not defined

**9.6 pH:** Not defined

**9.7 Melting point:** Not defined

**9.8 Boiling point:** Not defined

**9.9 Flash point:** Not defined

**9.10 Evaporation rate:** Not defined

**9.11 Flammability:** Not defined

**9.12 Flammability limits:** Not defined

**9.13 Vapor pressure:** Not defined

**9.14 Vapor density:** Not defined

**9.15 Relative density:** Not defined

**9.16 Partition coefficient:** Not defined

**9.17 Auto-ignition temp.:** Not defined

**9.18 Decomposition temp.:** Not defined

**9.19 Viscosity:** Not defined

## Section 10: Stability and Reactivity

### Stability

Super Abrasives are stable when handled or stored

### 10.2 Materials to avoid:

No dangerous reactions known.

### Reactivity

#### 10.1 Conditions to avoid:

No decomposition in normal use.

#### 10.3 Hazardous decomposition products:

At temperatures exceeding 250 C hazardous or toxic decomposition products may be generated

## Section 11: Toxicological Information

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.  
See also section 8.

## Section 12: Ecological Information (non-mandatory)

**12.1 Ecotoxicity:** no effects known

**12.2 Mobility:** no potentials known

**12.3 Persistence and degradability:** no biodegradable potentials known

**12.4 Bioaccumulative potential:** no potentials known

**12.5 Other hazardous effects:** no effects known

## Section 13: Disposal Considerations (non-mandatory)

### 13.1 Product

Follow national and regional regulations!

○ - Due to the ingredients (sum concentration under the limit) disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121),

○ - Due to the ingredients (sum concentration above the limit) disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

### 13.2 Packing

Follow national and regional regulations!

#### Section 14: Transport Information (non-mandatory)

The product is not covered by international regulation on the transport of dangerous goods.

#### Section 15: Regulatory Information (non-mandatory)

**TSCA Inventory:** All ingredients are listed on the TSCA inventory or are exempt from listing.

**CA Proposition 65:** Nickel and cadmium are known to the State of California to cause cancer or reproductive toxicity

#### Section 16: Other Information

**Date Prepared :** August 29, 2014