

# Safety DATA SHEET

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

## Section 1: Identification

**Product / Chemical Name:**

**Diamond tools (Profile Grinding wheel)**

**Product Identification No:** Grinding wheel (Metal bonded diamond wheel)

**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:** Grinding brittle materials (Stone, Tile, Concrete, 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	0.2-2.0
Nickel	7440-02-0	0-1.0
Iron	7439-89-6	90-98
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	0-1.0
Boron	7440-42-8	0-0.5
Phosphorus	7723-14-0	0-0.5
Sulfur	7704-34-9	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:**

## 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	0.1 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>
Phosphorus	7723-14-0	0.1 mg/m <sup>3</sup>	0.1 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!

O - 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),

O - 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

**SDS Creation Date:** August 29, 2014

**Prepared By:** Manufacturer's Technical Services Department

### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.