



# SAFETY DATA SHEET

REVISION: 08/28/2015

8400 Green Meadows Dr.  
P.O. Box 545  
Lewis Center, OH 43035

P: 740.548.4100  
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## DIAMOND POWDER - MICRON

### 1. PRODUCT & COMPANY INFORMATION

#### 1.1 PRODUCT IDENTIFIER(S)

PRODUCT NAME: DIAMOND POWDER - MICRON

<u>MICRON</u>	<u>5 CARAT PART #</u>	<u>100 CARAT PART#</u>		<u>MICRON</u>	<u>5 CARAT PART #</u>	<u>100 CARAT PART#</u>
¼	C5411310	C5412010		15	C5411410	C5412110
1/2	C5411330	C5412030		30	C5411430	C5412130
1	C5411350	C5412050		45	C5411450	C5412150
3	C5411370	C5412070		60	C5411470	C5412170
6	C5411390	C5412090		150	C5411490	C5412190

#### 1.2 COMPANY INFORMATION

ABRASIVE TECHNOLOGY, INC  
8400 GREEN MEADOWS DR.  
LEWIS CENTER, OHIO 43035

TELEPHONE            740-548-4100 (8:00 am TO 5:00 pm EST)  
FAX                     740-548-7617

#### 1.3 EMERGENCY PHONE NUMBERS

NORTH AMERICA (24 HRS) CHEMTREC 800-424-9300  
OUTSIDE NORTH AMERICA (COLLECT) 703-527-3887



## **2. HAZARDS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

H320-CAUSES EYE IRRITATION (EYE IRRITATION 2B)

### **2.2 GHS Label elements, including precautionary statements**

LABEL ELEMENTS

Pictograms - **None**

Signal Word – **WARNING**

Hazard Statements – **CAUSES EYE IRRITATION**

#### **Precautionary Statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Wash thoroughly after handling.

If in eyes: Rinse carefully with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If irritation persists, seek medical attention.

### **2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

None

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 Substances**

**Hazardous Components - None**

**Micron Sized Industrial Diamond    CAS# 7782-40-3                      100% by WT**

**Composition is proprietary**

## **4. FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **General advice**

Move out of dangerous area.

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### **In case of skin contact**

Wash off with soap and plenty of water.

#### **In case of eye contact**

Flush eyes with water as a precaution.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

## **5. FIREFIGHTING MEASURES**

### **5.1 Non-flammable**

#### **But in case of other fire, see below**

#### **5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### **5.2 Special hazards arising from the substance or mixture**

None

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

#### **5.4 Further information**

No data available

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. No other special measures needed.

### **6.2 Environmental precautions**

None

### **6.3 Methods and materials for containment and cleaning up**

Clean up water. No other special measures needed.

### **6.4 Reference to other sections**

Rinse residue down drain and clean up with water.  
No other special measures needed.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

No special precautions needed.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed when not in use.

### **7.3 Specific end use(s)**

Use per instruction. No other special measures needed.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

General industrial hygiene practice.

Personal protective equipment

#### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves to protect hands from water and abrasiveness of micron diamond

#### **Body Protection**

No special body protection is needed. May wear an apron to keep clothes dry.

#### **Respiratory protection**

Respiratory protection is not required.

#### **Control of environmental exposure**

Not harmful to the environment.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

<b>a) Appearance</b>	<b>Form: water</b>
<b>b) Odor</b>	<b>odorless</b>
<b>c) Odor Threshold</b>	<b>no data available</b>
<b>d) pH</b>	<b>no data available</b>
<b>e) Melting point/freezing point</b>	<b>Melting point/freezing point: 0 °C (&gt; 32 °F) - OECD Test Guideline 102</b>
<b>f) Initial boiling point and Boiling range</b>	<b>100 °C (212 °F) - OECD Test Guideline 103</b>
<b>g) Flash point</b>	<b>not applicable</b>
<b>h) Evaporation rate</b>	<b>no data available</b>
<b>i) Flammability (solid, gas)</b>	<b>no data available</b>
<b>j) Upper/lower flammability or explosive limits</b>	<b>no data available</b>
<b>k) Vapor pressure</b>	<b>no data available</b>
<b>l) Vapor density</b>	<b>no data available</b>
<b>m) Relative density</b>	<b>Not determined</b>
<b>n) Water solubility</b>	
<b>o) Partition coefficient: N-octanol/water</b>	<b>no data available</b>
<b>p) Auto-ignition temperature</b>	<b>&gt; 400 °C (&gt; 752 °F)</b>
<b>q) Decomposition temperature</b>	<b>no data available</b>
<b>r) Viscosity</b>	<b>no data available</b>
<b>s) Explosive properties</b>	<b>no data available</b>
<b>t) Oxidizing properties</b>	<b>no data available</b>

**9.2 Other safety information**                      **no data available**

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

Stable

### **10.2 Chemical stability**

Stable under recommended storage conditions.

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

No data available

### **10.5 Incompatible materials**

Strong oxidizing agents

### **10.6 Hazardous decomposition products**

Other decomposition products - no data available

In the event of fire: see section 5

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Toxicity:**

No data available

#### **Skin corrosion/irritation**

Skin - rabbit

Result: No skin irritation - 4 h

#### **Serious eye damage/eye irritation**

Liquid: No irritating effect

Result: Mild eye irritation from micron abrasive

#### **Respiratory or skin sensitization**

Maximization Test - guinea pig

Result: Did not cause sensitization on laboratory animals.

#### **Carcinogenic Categories**

##### **IARC (International Agency for Research on Cancer)**

No ingredients listed

##### **NTP (National Toxicology Program)**

No ingredients listed

##### **OSHA-Ca (Occupational Safety & Health Administration)**

No ingredients listed

## **12. ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

**Toxicity to fish**            **no data available**

**Persistence and degradability**            **no data available**

**other aquatic invertebrates**            **no data available**

**Toxicity to bacteria**            **no data available**

**12.2 Persistence and degradability** **no data available**

**12.3 Bioaccumulative potential**            **no data available**

**12.4 Mobility in soil**            **no data available**

**12.5 Results of PBT and vPvB assessment**            **PBT/vPvB assessment not available as  
chemical safety assessment not  
required/not conducted**

**12.6 Other adverse effects**            **no data available**

## **13. DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

**Rinse unused product into drain.**

### **Contaminated packaging**

**Dispose of as unused product.**

## **14. TRANSPORT INFORMATION**

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods



## **15. REGULATORY INFORMATION**

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Not a chronic health hazard

**Massachusetts Right To Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:** No components are subject to Pennsylvania RTK  
**Revision Date**

**New Jersey Right To Know Components:** No components are subject to  
**Revision Date** New Jersey RTK

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **16. OTHER INFORMATION**

### **HMIS Rating**

**Health hazard: 0**

**Chronic Health Hazard: \***

**Flammability: 0**

**Physical Hazard 0**

### **NFPA Rating**

**Health hazard: 0**

**Fire Hazard: 0**

**Reactivity Hazard: 0**

### **Further information**

User is granted the ability to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Abrasive Technology, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

### **SDS PREPARATION INFORMATION**

**ABRASIVE TECHNOLOGY, INC.**

**DOUGLAS G. ANDERSON**

**DATE PREPARED: 07/01/2015**

**DATE REVISED: 08/28/2015**

**PURPOSE OF REVISION: Minor information update**