SAFETY DATA SHEET
REVISION: 08/28/2015

DIAMOND POWDER - MICRON

1. PRODUCT & COMPANY INFORMATION

1.1 PRODUCT IDENTIFIER(S)

PRODUCT NAME: DIAMOND POWDER - MICRON

<table>
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<th>MICRON</th>
<th>5 CARAT PART #</th>
<th>100 CARAT PART#</th>
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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

a) Appearance
Form: water

b) Odor
odorless

c) Odor Threshold
no data available

d) pH
no data available

e) Melting point/freezing point
Melting point/freezing point: 0 °C (>32 °F) - OECD Test Guideline 102

f) Initial boiling point and boiling range
100 °C (212 °F) - OECD Test Guideline 103

g) Flash point
not applicable

h) Evaporation rate
no data available

i) Flammability (solid, gas)
no data available

j) Upper/lower flammability or explosive limits
no data available

k) Vapor pressure
no data available

l) Vapor density
no data available

m) Relative density
Not determined

n) Water solubility

o) Partition coefficient:
N-octanol/water
no data available

p) Auto-ignition temperature
> 400 °C (> 752 °F)

q) Decomposition temperature
no data available

r) Viscosity
no data available

s) Explosive properties
no data available

t) Oxidizing properties
no data available

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

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<th>DOT (US)</th>
<th>IMDG</th>
<th>IATA</th>
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<tbody>
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<td>Not dangerous goods</td>
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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

New Jersey Right To Know Components: No components are subject to 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

<table>
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<tr>
<th>HMIS Rating</th>
<th>NFPA Rating</th>
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<tr>
<td>Health hazard: 0</td>
<td>Health hazard: 0</td>
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<td>Chronic Health Hazard: *</td>
<td>Fire Hazard: 0</td>
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<tr>
<td>Flammability: 0</td>
<td>Reactivity Hazard: 0</td>
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<td>Physical Hazard: 0</td>
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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