

# Diamond Abrasive Products

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Date of Issue: 05/24/2021

\*\*\* DRAFT \*\*\*

Version: 1.0

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Article

**Product Name:** Diamond Abrasive Products

**Product Code:** MXD

### 1.2. Intended Use of the Product

**Use of the Substance/Mixture:** Sanding

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Company

Micro-Surface Finishing Products, Inc.

1217 W 3rd St

PO Box 70

Wilton IA 52778

563.732.3240

www.micro-surface.com

### 1.4. Emergency Telephone Number

**Emergency Number** : 563.732.3240

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

Not classified

### 2.2. Label Elements

#### GHS-US Labeling

No labeling applicable according to 29 CFR 1910.1200.

### 2.3. Other Hazards

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions. This mixture is considered an article in its final form. This SDS covers the hazards and information of the materials contained within the article, in the event the product is damaged or mishandled. Under normal conditions of use these chemicals are not anticipated to be available for exposure. Avoid generating dust. Dust may cause mechanical irritation to eyes, nose, throat, and lungs.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Diamond	Diamond powder	(CAS-No.) 7782-40-3	15-40	Not classified

Products contain no Hazardous Air Pollutants (HAPs) according to Section 112(b)1 of the United States Environmental Protection Agency Clean Air Act.

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions. This mixture is considered an article in its final form.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**First-aid Measures General:** The need for first aid is not anticipated under normal conditions of use. If you feel unwell, seek medical advice (show the label where possible).

**First-aid Measures After Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Brush off loose particles from skin. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Ingestion:** If swallowed, do not induce vomiting. Rinse mouth and obtain medical attention if necessary.

# Diamond Abrasive Products

Safety Data Sheet

\*\*\* DRAFT \*\*\*

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/Injuries After Inhalation:** Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

**Symptoms/Injuries After Skin Contact:** Direct contact may cause irritation by mechanical abrasion.

**Symptoms/Injuries After Eye Contact:** Eye contact with dust may cause mechanical irritation.

**Symptoms/Injuries After Ingestion:** Ingestion of large quantities may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

## 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

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

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water fog, mist, foam, carbon dioxide, dry chemical.

**Unsuitable Extinguishing Media:** None known.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Product is not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any fire.

**Firefighting Instructions:** Use firefighting measures appropriate for the surrounding fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** No special measures required.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Personal Protective Equipment (PPE) not generally required.

**Emergency Procedures:** No special measures required.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Personal Protective Equipment (PPE) not generally required.

**Emergency Procedures:** No special measures required.

### 6.2. Environmental Precautions

The product does not pose a significant hazard to the environment.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain the product and collect as any solid.

**Methods for Cleaning Up:** Mechanically recover the product. Avoid generation of dust during clean-up of spills.

### 6.4. Reference to Other Sections

See Section 8 for advice on personal protective equipment and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** There are no specific precautions necessary for safe handling of the product.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a cool, dry place. Keep away from moisture, extremely high or low temperatures, ignition sources, and incompatible materials.

**Incompatible Materials:** Strong oxidizers.

### 7.3. Specific End Use(s)

Sanding

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

# Diamond Abrasive Products

Safety Data Sheet

\*\*\* DRAFT \*\*\*

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

## 8.2. Exposure Controls

**Appropriate Engineering Controls** : Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protective Equipment** : Persons handling the product are responsible for determining whether personal protective equipment is necessary based on the circumstances of use.

**Materials for Protective Clothing** : Wear protective materials and fabrics as conditions warrant.

**Hand Protection** : When needed, wear protective gloves to protect against thermal and/or mechanical hazards.

**Eye and Face Protection** : Safety glasses.



**Skin and Body Protection** : Wear suitable protective clothing.

**Respiratory Protection** : The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information** : When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Cloth with abrasive grain
Odor	: Plastic, Rubber scent
Odor Threshold	: No data available
pH	: Not applicable
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: Not applicable
Flash Point	: Not applicable
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Solubility	: Water: Not soluble
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

**9.2. Other Information** No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Extremely high or low temperatures. Generation of airborne dust. Moisture.
- 10.5. Incompatible Materials:** Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**Diamond (7782-40-3)**

<b>LD50 Dermal Rat</b>	> 2000 mg/kg
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**Skin Corrosion/Irritation:** Not classified

**pH:** Not applicable

# Diamond Abrasive Products

Safety Data Sheet

\*\*\* DRAFT \*\*\*

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**Serious Eye Damage/Irritation:** Not classified.

**pH:** Not applicable

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

**Symptoms/Injuries After Skin Contact:** Direct contact may cause irritation by mechanical abrasion.

**Symptoms/Injuries After Eye Contact:** Eye contact with dust may cause mechanical irritation.

**Symptoms/Injuries After Ingestion:** Ingestion of large quantities may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Not classified.

**Diamond (7782-40-3)**

**LC50 Fish** > 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

### 12.2. Persistence and Degradability

**Diamond Abrasive Products**

**Persistence and Degradability** Not established.

### 12.3. Bioaccumulative Potential

**Diamond Abrasive Products**

**Bioaccumulative Potential** Not established.

**12.4. Mobility in Soil** No additional information available

### 12.5. Other Adverse Effects

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local, regional, national, and international regulations.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

**Diamond (7782-40-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. US State Regulations

Neither this product nor its chemical components appear on any US state lists, or its chemical components are not required to be disclosed

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 05/24/2021

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)