

SAFETY DATA SHEET

Section 1: Product and Company Identification

1.1 Product Identifier:

Product Name: Qual Diamond Micro/Nano Diamond Powder
Product Description: Monocrystalline/Polycrystalline Micro/Nano Diamond Powder
Product Codes: QMM, QPD, QPH, QMR

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Relevant Identified Uses: Industrial polishing, Additives
Uses Advised Against: No data available

1.3 Details of Supplier of Safety Data Sheet:

Supplier: Qual Diamond Hi-Tech Corporation Phone: 1-858-263-4358
9823 Pacific Heights Blvd, Suite A Fax: 1-858-263-4359
San Diego, CA 92121 USA

1.4 Emergency Telephone Number: 1-800-424-9300 (US); 1-703-527-3887 (International)

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture:

Not a hazardous substance or mixture.

2.2 Label Elements:

UN GHS Pictogram or Symbol: None
UN GHS Signal Word: None
UN GHS Precautionary Statements: None

2.3 Other Hazards:

None

Section 3: Composition/ Information on Ingredients

3.1 Substances:

Formula : C
Mol. Wt. : 12.01 g/mol
CAS No. : 7782-40-3

Section 4: First-Aid Measures

4.1 Description of First Aid Measures:

Skin Contact: Wash thoroughly with abundant soap and water. Remove contaminated clothing and wash with abundant soap and water.
Eye Exposure: Flush thoroughly with abundant running water. Seek medical attention if needed.
Inhalation: Move affected individual to open area with fresh air. Administer oxygen and seek medical attentions if needed.
Ingestion: Do not induce vomiting. Seek medical attention if needed.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Refer to Section 2.2 and/or Section 11.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

No data available

Section 5: Fire-Fighting Measures

5.1 Extinguishing Media: When properly stored or handled, this product is non-flammable. In case of a fire in the building, extinguish the fire with water sprays, fire extinguishers, carbon dioxide, foam, or dry chemical.

5.2 Special Hazards Arising from the Substance or Mixture: Carbon oxides.

5.3 Advice for Fire-Fighters: Wear self-contained breathing systems for firefighting if necessary.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Use appropriate personal protective equipment. Provide adequate ventilation and avoid contact with skin and eyes.

6.2 Environmental Precautions: No special environmental precautions required.

6.3 Methods and Material for Containment and Cleaning-up: Gather spilled materials without causing them to become airborne. Place gathered materials into a seal container or bag for disposal.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling:

- Do not handle until all safety precautions have been read and understood.
- Ensure good ventilation of the working area.
- Do not eat, drink, or smoke in the working area.
- Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and finishing work.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Storage Temperature: Ambient

Transport Temperature: Ambient

Storage Pressure: Atmospheric

Store container in a dry and well-ventilated area.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters:

Substance has no occupational exposure limit values.

8.2 Exposure Controls:

Wear Personal Protection Equipment for Protection:

Respiratory Protection: Wear mask and operate in well ventilated area.

Eye Protection: Wear safety goggles.

Skin and Body Protection: Wear appropriate protective clothing.

Hand Protection: Wear protective gloves.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: Crystalline

Color: Various

Odor: Odorless
 Odor threshold: No data available
 Solubility in water: Insoluble
 Melting point: 3,727 °C
 Boiling point: No data available
 Flash point: No data available
 Auto-ignition temperature: >420 °C
 Density: 3.5 g/mL at 25 °C
 Viscosity, dynamic: N/A
 pH: No data available
 Explosive limits: N/A

Section 10: Stability and Reactivity

10.1 Reactivity: No dangerous reactions known under normal conditions of use.

10.2 Stability: Stable at normal temperatures and pressure.

10.3 Conditions to Avoid: No data available

10.4 Materials to Avoid: Strong oxidizing agents, strong bases, strong acids.

10.5 Hazardous Decomposition: None with proper storage and handling.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity: Rat LD50 Oral: 2,000 mg/kg; Mouse LD50 Oral: 10,000 mg/kg

Germ cell mutagenicity: No data available

Reproductive Toxicity: No data available

Carcinogenicity: No data available

Skin Irritation: No data available

Eye Irritation: No data available

Aspiration hazard: No data available

11.2 Other Information:

No data available

Section 12: Ecological Information

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Bio accumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Other Adverse effects: No data available

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

- Dispose of in accordance with appropriate local/national government regulations.
- Do not dispose in drains, landfill, sewers, or natural water courses.
- Conform to the applicable laws regarding industrial wastes such as "Waste Disposal and Public Cleansing Law" and relevant local bylaws for disposal.

Section 14: Transport Information

14.1 UN Number:

Dot/ADR/RID: none

IMDG: none

IATA: none

14.2 UN Proper Shipping Name:

Dot/ADR/RID: not dangerous goods	IMDG: not dangerous goods	IATA: not dangerous goods
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14.3 Transport Hazard Class:

Dot/ADR/RID: not regulated	IMDG: not regulated	IATA: not regulated
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14.4 Packaging Group:

Dot/ADR/RID: none	IMDG: none	IATA: none
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14.5 Environmental Hazards:

Dot/ADR/RID: none	IMDG: none	IATA: none
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Section 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations

SARA Section 355 (extremely hazardous substances): Not applicable

SARA Section 313 (specific toxic chemical listings): Not applicable

LARC, NTP, OSHA Carcinogens: Not applicable

TSCA (Toxic Substances Control Act): Not applicable

Section 16: Other Information

16.1 SDS Preparation Information:

Date of Creation: 09/09/2022

16.2 Other Information:

The above information is believed to be correct but does not purport to be inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.