



DITEQ Corporation
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Section 1. Product and Company Identification

Product Name Diamond Cup Grinding Wheel
Product Use Abrasive tools for drilling concrete, asphalt and natural stone
Product Code
Supplier DITEQ Corporation
Date of Issue December 1, 2015
Supersedes

Emergency Telephone Numbers:
816-246-5515 / 866-688-1032

Section 2. Hazards Identification

Emergency Overview:

The product is solid with no odor, and no inhalation, skin contact or ingestion hazard of the product itself has been reported. However, dust from operating the product may have minor hazards.

Routes of Entry & Potential Health Effects:

Inhalation Acute Exposure Effects:

Inhalation of dust may cause coughing and shortness of breath

Inhalation Chronic Exposure Effects:

Long-term repetitive inhalation of dust may affect breathing capacity

Eye Contact Acute Exposure Effects:

Dust may cause eye irritation and redness.

Skin Contact Acute Exposure Effects:

Dust may cause skin irritation.

Ingestion Acute Exposure Effects:

No harmful effect is known, but ingestion is not recommended.

Section 3. Composition/Information on Ingredients

Exposure Guidelines:

Hazardous Component	CAS No.	Percent	OSHA PEL (General)	ACGIH TLV	NIOSH REL
IRON (as iron oxide dust or fume)	7439-89-6	0 ~ 30	10 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA
COBALT	7440-48-4	0 ~ 35	0.1 mg/m ³ TWA	0.02 mg/m ³ TWA	0.05 mg/m ³ TWA
COPPER (Dusts & Mists)	7440-50-8	0 ~ 20	1 mg/m ³ TWA	1 mg/m ³ TWA	1 mg/m ³ TWA
NICKEL	7440-02-0	0 ~ 20	1 mg/m ³ TWA	0.1 mg/m ³ TWA	0.015 mg/m ³ TWA
TIN	7440-31-5	0 ~ 3	2 mg/m ³ TWA	2 mg/m ³ TWA	2 mg/m ³ TWA
TUNGSTEN	7440-33-7	0 ~ 20	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA
SILVER	7440-22-4	0 ~ 1	0.01 mg/m ³ TWA	0.1 mg/m ³ TWA	0.01 mg/m ³ TWA
DIAMOND	7782-40-3	0 ~ 3	None Established	None Established	None Established
TUNGSTEN CARBIDE	7440-37-7	0 ~ 28	None Established	None Established	None Established
MANGANESE	7439-96-5	0 ~ 3	5 mg/m ³ TWA	0.2 mg/m ³ TWA	1 mg/m ³ TWA
PHOSPHORUS	7723-14-0	0 ~ 0.14	0.1 mg/m ³ TWA	0.1 mg/m ³ TWA	0.1 mg/m ³ TWA
STEEL	12597-69-2	65 ~ 95	None Established	None Established	None Established

* Consider components of all other materials being ground as well.

* OSHA PEL - Occupational Safety & Health Administration, Permissible Exposure Limit

ACGIH TLV - American Conference of Governmental Industrial Hygienists, Threshold Limit Value

NIOSH REL - National Institute for Occupational Safety and Health, Recommended Exposure Limit

Section 4. First Aid Measures

Inhalation:	If coughing, wheezing, shortness of breath, or other breathing difficulties develop, remove to fresh air. Loosen any tight clothing. Begin CPR if needed. If the symptom persists, obtain medical assistance.
Skin Contact:	If irritation or rash occurs during dust-raising operation, wash affected areas with soap and water. If the symptom persists, obtain medical assistance.
Eye Contact:	Do not rub or put any pressure on eyes. Flush eyes with large amount of running water immediately, keeping the eyes open at all times. Obtain proper medical assistance if irritation persists.
Ingestion:	If conscious, drink large amount of water to dilute and vomit. Obtain medical assistance, Product is not intended to be ingested or eaten.

Section 5. Fire Fighting Measures

Materials in the product are not flammable

Flammable Limits in Air:	Upper: None Lower: None
Flash Point:	Not available
Method Used:	Not applicable
NFPA Hazard Classification:	Health: 1 Flammability: 0 Reactivity: 0 Other: N/A
HMIS Hazard Classification:	Health: 1 Flammability: 0 Reactivity: 0 Protection: N/A
Extinguishing Media:	Use any fire-extinguishing media, such as water and a fire extinguisher, appropriate for surrounding materials.
Special Fire Fighting Procedures:	Not available
Unusual Fire and Explosion Hazards:	Not available
Hazardous Combustion Products:	Not available

Section 6. Accidental Release Measures

Personal Precautions:	Those who clean up dust from operating products are advised to wear proper clothing to minimize exposure of dust and respirators to avoid inhalation of dust.
Environmental Precautions:	Avoid dust leaking into water systems.
Methods for cleaning up:	Use standard methods in accordance with applicable federal, state and local regulations.

Section 7. Handling and Storage

Handling:	Handle with care so that no impact can damage the product. Thoroughly inspect the product before use. Use the product only for the purpose that it is designed for. Wear safety goggles and/or full face shields and respirators along with appropriate protective clothing to prevent eye contact, inhalation and skin contact of dust.
Storage:	Store in a clean, dry, indoor place.
Other Precautions:	Do not eat, drink, or smoke at the handling area. Wash hands thoroughly after handling, especially before eating, drinking, or smoking. Individuals regularly exposed to dust may consider undergoing periodic medical examination. Follow applicable federal, state, or local substance specific standards if any.

Section 8. Exposure Controls/Personal Protection

Engineering Controls:

Ventilation: Use local exhaust ventilation to minimize exposure to dust and maintain airborne contaminant concentration appropriately in accordance with applicable federal, state and local regulations.

Refer to OSHA 29 CFR 1910.94 (Ventilation) and 29 CFP 1910.1000 (Air Contaminants) or other correspondent regulations.

Respiratory Protection: Use approved dust respirators. Select a type of respiratory based on the type, form and concentration of contaminants. Refer to OSHA 29 CFR 1910.134 (Respiratory Protection) or other correspondent regulations.

Eye Protection: Always wear safety glasses with side or goggles when operating. Refer to OSHA 29 CFR 1910.133 (Eye and Face Protection) or other correspondent regulations.

Skin Protection: Wear appropriate clothing to avoid skin contact with dust. Daily clean contaminated clothing by washing or vacuuming with appropriate filters.

Other Protective Clothing or Equipment: Use of the product may produce elevated levels of noise. Wear hearing protection if necessary. Refer to OSHA 29 CFR 1910.95 (Occupational Noise Exposure) or other correspondent regulations.

Use of safety guards is recommended during cutting or grinding. Refer to OSHA 29 CFR 1910.215 (Abrasive wheel machinery), 1910.243 (Guarding of portable powered tools), 1926.303 (Abrasive wheels and tools) and American National Standards Institute, B7.1-1970, or other corresponding regulations.

Refer to OSHA 29 CFR 1910 (Occupational Safety and Health Standards) or other corresponding regulations in general.

Work Hygienic Practices: Nothing specific. Maintain good industrial hygiene practice.

Section 9. Physical and Chemical Properties

Appearance:	Gray
Odor:	None
Physical State:	Solid
pH As Supplied:	Not applicable
pH (Other)	Not applicable
Boiling Point:	Not available
Melting Point:	Not available
Freezing Point:	Not available
Vapor Pressure (mmHg)	Not applicable
Vapor Density (Air = 1)	Not applicable
Specific Gravity (H ₂ O = 1)	7.1 ~ 8.4
Evaporation Rate:	Not available
Basis (=1)	Not available
Solubility in Water:	Not soluble
Percent Solids by Weight	Not available
Percent Volatile:	Not available
Volatile Organic Compounds (VOC):	Product itself does not contain VOCs. However, paints on it, if applied, may contain some.
Molecular Weight:	Not available
Viscosity:	Not available

Safety Data Sheet

Product Name: Diamond Blades/Bits/
Grinding Wheels

Section 10. Stability and Reactivity

Stability: STABLE

Conditions to Avoid (Stability):

Incompatibility (Material to Avoid): Strong oxidizers and acids

Hazardous Decomposition or By-products: Dust from operating. More airborne material generated from workpieces than from the product

Hazardouse Polymerization: Not applicable

Conditions to Avoid (Polumerization):

Section 11. Toxicological Information

Hazardous Component	CAS No.	IARC carcinogenic classification	NIOSH IDLH	Health Effect
IRON	7439-89-6	N/A	N/A	N/A
COBALT	7440-48-4	N/A	N/A	N/A
COPPER	7440-50-8	N/A	N/A	N/A
NICKEL	7440-02-0	N/A	N/A	N/A
TIN	7440-31.5	N/A	N/A	N/A
TUNGSTEN	7440-33-7	N/A	N/A	N/A
SILVER	7440-22-4	N/A	N/A	N/A
DIAMOND	7440-40-3	N/A	N/A	N/A
TUNGSTEN CARBIDE	7440-37-7	N/A	N/A	N/A
MANGANESE	7439-96-5	N/A	N/A	N/A
PHOSPHORUS	7723-14-0	N/A	N/A	N/A
STEEL	12597-69-2	N/A	N/A	N/A

*IARC - International Agency for Research on Cancer

NIOSH IDLH - National Institute for Occupational Safety and Health, Immediately Dangerous To Life or Health Concentration.

Section 12. Ecological Information

Ecological Information: Not Available

Section 13. Disposal Considerations

Waste Disposal Method: Standard industrial methods in accordance with applicable federal, state and local regulations

RCRA Hazard Class: Not classified

Section 14. Transport Information

U.S. Department of Transportation: Not regulated

Proper Shipping Name: Not specified

Hazard Class: Not specified

ID Numbers: Not specified

Packing Group: Not specified

Label Statement: Not specified

Section 15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act)	On TSCA Inventory
CERCLA (Comprehensive Response Compensation, and Liability Act):	Not specified
SARA Title III (Superfund Amendments And Reauthorization Act):	Not specified
302 Extremely Hazardous Substances:	Not specified
311/312 Hazard Categories	Not specified
313 Reportable Ingredients:	COBALT 7440-48-4 MAX 3% COPPER 7440-50-8 MAX 8% NICKEL 7440-02-0 MAX 9%

Section 16. Other Information

Disclaimer:

The information and recommendations herein are believed to be accurate and taken from sources believed to be reliable as of the date of preparation. However, DITEQ Corporation makes no warranty with respect to the accuracy of the information or the suitability of the recommendations.

Users shall assume all risk of use, storage, handling and disposal of the product in compliance with applicable federal, state and local laws and regulations and use the product in accordance with the application and conditions specified on the packaging and/or in the technical guidance literature. DITEQ Corporation assumes no liability for any loss, damage, or injury of any kind which may result from or arise out of the use of or reliance on the information by any person.