



SAFETY DATA SHEET

SECTION I: IDENTIFICATION

<p>Manufacturer: Black & Decker Accessories 701 East Joppa Rd. Baltimore, MD 21286 (410) 716-3900 (Emergency)</p> <p>Product Name: Diamond blades (metal bonded and electroplated), diamond core bits, diamond cup wheels and diamond grinding discs.</p> <p>Product Type: Masonry, Concrete, Ferrous and Non-Ferrous Metal.</p>	<p>Hazard Rating: Health 1 Flammability 0 Reactivity 0</p>
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SECTION II: COMPOSITION PER 20CFR 1910.1200(G)(4)

Chemical Name	Max %	CAS #	OSHA PEL	ACGIH TLV	Carcinogenic Y/N
Steel	100	-			
Diamond	30	7782-40-3	N/A	N/A	N
Cobalt	20	7440-48-4	0.05 mg/m ³	0.05 mg/m ³	N
Copper	20	7440-50-8	0.1 mg ³ /m ³ (fume)	0.2 mg/m ³ (fume)	N
Tin	10	7440-31-5	2 mg/m ³	2 mg/m ³	N
Nickel	20	7440-02-0	1 mg/m ³	0.05 mg/m ³	Y
Manganese	5	7439-96-5	5 mg/m ³	5 mg/m ³ (dust)	N
Tungsten	15	7440-33-7	5 mg/m ³	5 mg/m ³	N
Chromium	5	7440-47-3	0.5 mg/m ³	N/A	N
Iron	5	7439-89-6	N/A	N/A	N
Boron	5	7440-42-8	N/A	N/A	N
Silicon	5	7440-21-3	N/A	N/A	N

SECTION III: HAZARDS IDENTIFICATION

<p>Primary Routes of Entry</p> <p>Inhalation (during use)</p> <p>Ingestion (during use)</p> <p>Skin, Contact & Absorption (during use)</p> <p>Eye (during use)</p> <p>Other Potential Risks</p>	<p>Acute and Chronic Health Effects and Effects of Overexposure</p> <p>Acute: Coughing, shortness of breath. Chronic: May affect breathing capacity. May affect pre-existing respiratory condition(s)</p> <p>No known adverse effects, but ingestion not recommended</p> <p>Some may experience skin irritation from dust</p> <p>Dust may irritate eyes</p> <p>Grinding may create elevated sound levels which may affect hearing and pre-existing hearing condition(s).</p>
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SECTION IV: HEALTH, FIRST AID AND MEDICAL DATA

Primary Routes of Entry First Aid and Medical Information

Inhalation (during use)	Remove to fresh air. Artificial respiration as needed. Obtain medical assistance.
Ingestion (during use)	Obtain medical assistance.
Skin, Contact & Absorption (during use)	Wash affected areas with soap and water. Obtain medical assistance.
Eye (during use)	Wash with large quantities of water. Obtain medical assistance.
Other Potential Risks	Obtain medical assistance.

SECTION V: FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A**, NAIF*	Method Used: N/A**
Flammable Limits:	LEL: NA**	UEL: NA**
Extinguishing Media:	Water	
Special Fire Fighting Procedures:	None	
Explosion Potential:	NAIF*	

SECTION VI: MEASURES ACCIDENTAL RELEASE

This product is stable and does not involve any risk of contamination. Make sure the product is properly disposed.

SECTION VII: STORAGE, HANDLING AND USE PROCEDURES

Normal Storage and Handling:	Store blades and wheels in a dry location. Consult ANSI B7.1: Safety Requirements for the Use, Care, and Protection of Abrasive Wheels.
Normal Use:	Use with adequate ventilation when dry sawing. See OSHA 29CFR 1910.94 (Ventilation) and 29CFR 1910.1000 (Air Contaminants). Use all blades and wheels in accordance with all applicable federal and state safety codes and as directed in ANSI B7.1: Safety Requirements for the Use, Care, and Protection of Abrasive Wheels
Steps to be Taken in Case of Leaks and Spills:	Normal cleanup procedures

SECTION VIII: PERSONAL PROTECTION INFORMATION

Respiratory Protection:	As required, for approved dust respirators see OSHA 29CFR 1910.134
Ventilation:	Local: Recommended Mechanical: Recommended Other: NAIF*
Protective Gloves:	Recommended, as desired by user
Eye Protection:	Recommended, see OSHA 1910 29CFR 1910.133 (Eye protection)
Other Equipment:	As required hearing protection, see OSHA 29CFR 1910.95 (Hearing protection)

SECTION IX: PHYSICAL DATA

Boiling Point (°F):	N/A**	Specific Gravity (H ₂ O=1):	Varies
Vapor Pressure (mm Hg):	N/A**	% Volatile by Volume:	0

Vapor Density (Air=1):	N/A**	Evaporation Rate:	N/A**
Water Solubility:	Negligible	Solubility in Other Solvents:	NAIF*
Appearance:	Solid wheel shape with black, dark brown or reddish color.		
Odor:	Odorless.		

SECTION X: STABILITY AND REACTIVITY

Under normal conditions:	Stable
In the presence of flames:	Stable
Polymerization risk:	None
Conditions to avoid:	None
Incompatible materials:	None
Products of decomposition or combustion:	In use, the grinding wheels will generate dust and odors. In most cases, the material removed from the work piece will be significantly greater than that generated from the grinding wheel. Coolants, if used, may product other decomposition products.

SECTION XI: TOXICOLOGICAL INFORMATION

This product is considered a consumer product/finished product. No data is available regarding ingestion or other contact with the body toxicological level.

*See Section III on risk identification for more information in case of normal use.

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity: The product is inert and presents no direct risk for aquatic and terrestrial life. Products with listed fluorides may have slightly soluble fluoride in the swarf.

Environment: The product is not biodegradable. The product should be disposed properly.

SECTION XIII: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Standard landfill methods in compliance with all applicable federal, state, and local laws, products with list fluorides may have slightly soluble fluoride in the swarf.

SECTION XIV: TRANSPORT INFORMATION

This product is not regulated for transport.

SECTION XV: REGULATORY INFORMATION:

No special regulations for this product.

SECTION XVI: OTHER INFORMATION

REFERENCES

1. ANSI/OPEI B175.4
2. ISO 525
3. ISO 6103
4. ISO 13942

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Prepared	September 9, 2015 (Reviewed April 6, 2020)
NAIF*:	No applicable information found
NA**:	No applicable information found