



SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Manufacturer: Black & Decker Accessories Hazard Rating: Health 1
701 East Joppa Rd. Flammability 0
Baltimore, MD 21286 Reactivity 0
(410) 716-3900 (Emergency)

Product Name: Resinoid Bonded Cutting Off and Grinding Wheels
Product Type: Metal (ferrous and non-ferrous)

SECTION II: COMPOSITION PER 20CFR 1910.1200(G)(4)

Chemical Name	Max %	Common Name	CAS #	OSHA PEL	ACGIH TLV	Carcinogenic Y/N
Aluminum oxide	95	Same	1344-28-1	10mg/m ³	10mg/m ³	No
Silicon Carbide	95	Same	409-21-2	10mg/m ³	10mg/m ³	No
Zirconium Oxide	75	Same	1314-23-4	10 mg		
Calcium Carbonate	10	CaCO ₃	471-34-1			
Cured Phenolic resin	30	Same	9003-35-4	NAIF*	10mg/m ³	No
Sodium aluminum fluoride	20	Cryolite	15096-52-3	2.5mg/m ³	2.5mg/m ³	No
Iron disulfide	20	Iron Pyrites	12068-85-8	NAIF*	1	No
Fiberglass discs	15	Same	65997-17-3	NAIF*	10mg/m ³	No
Inorganic Fluoride	30	Various	15096-52-3	2mg/m ³	2mg/m ³	No
Zinc Sulfide	10		1314-98-3	5		
Manganese Dichloride	5		7773-01-5			
Furfural	3	Same	98-01-1	5ppm	2ppm	No

SECTION III: HAZARDS IDENTIFICATION

Primary Routes of Entry Acute and Chronic Health Effects and Effects of Overexposure

Inhalation (during grinding) Acute: Coughing, shortness of breath. Chronic: May affect breathing capacity.
May affect pre-existing respiratory condition(s)

Ingestion (during grinding) No known adverse effects, but ingestion not recommended

Skin, Contact & Absorption (during grinding) Some may experience skin irritation from dust

Eye (during grinding) Dust may irritate eyes

Other Potential Risks Grinding may create elevated sound levels which may affect hearing and pre-existing hearing condition(s).

SECTION IV: HEALTH, FIRST AID AND MEDICAL DATA

Primary Routes of Entry First Aid and Medical Information

Inhalation (during grinding)	Remove to fresh air. Artificial respiration as needed. Obtain medical assistance.
Ingestion (during grinding)	Obtain medical assistance.
Skin, Contact & Absorption (during grinding)	Wash affected areas with soap and water. Obtain medical assistance.
Eye (during grinding)	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:	Handle abrasive cutting off wheels and grinding wheels carefully to prevent damage from shock, heat, etc. Store in dry protected area free from humidity, freezing temperatures or extreme temperature changes. Consult ANSI B7.1: Safety Requirements for the Use, Care, and Protection of Abrasive Wheels.
Normal Use:	Use with adequate ventilation. See OSHA 29CFR 1910.94 (Ventilation) and 29CFR 1910.1000 (Air Contaminants). Use all abrasive cutting off wheels and grinding 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
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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:	May give off slight odor during storage and/or use.		

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 March 3, 2020)
NAIF*:	No applicable information found
NA**:	No applicable information found