



SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF THE PRODUCT AND COMPANY

- 1.1 Product Name Resin and rubber resin bonded abrasive cutoff wheels.
- 1.2 Product Use: Cutting
- 1.3 Company Details: Everett Industries, LLC
 Address: 3601 Larchmont Ave., NE, Warren, Ohio 44483
 Phone: 330-372-3700

SECTION II: HAZARDOUS INFORMATION

- 2.1 Precautionary Statements: Use with ventilation. Avoid breathing dust. Wash thoroughly after handling and use. Observe recommended operating speeds.
- 2.2 Description of Hazards: Dust may cause eye and respiratory irritation. Dust particles may cause abrasive injury to the eyes. Using wheels in excess of recommended operating speeds may result in serious injury due to wheel breakage.

SECTION III: COMPOSITION

INGREDIENT	FORMULA	CAS NO.	% WEIGHT	OSHA REG.
Aluminum Oxide	Al ₂ O ₃	1344-28-1	0-95	N/A
Silicon Carbide	SiC	409-21-2	0-95	N/A
Zirconium Oxide	ZrO ₂	7440-67-2	0-80	N/A
Cured Phenolic Resin	N/A	N/A	1-30	N/A
Calcium Oxide		1305-78-8	0-5	N/A
Cured Rubber Compounds	N/A	N/A	1-20	N/A
Iron Pyrite	Fe ₂ S	12068-85-8	0-20	N/A
Woven Fiberglass	N/A	N/A	0-15	N/A

Sulphur	S ₈	7704-34-9	0-15	N/A
Potassium Fluoborate	KBF ₄	14075-53-7	0-5	N/A
Iron Oxide	FE ₂ O ₃	1309-37-1	0-5	N/A
Cured Epoxy Resin	N/A	15096-52-3	1-10	N/A
Manganese Chloride	MgCl ₂	7773-01-5	1-10	N/A
Titanium Dioxide	TiO ₂	13463-67-7	0-5	N/A
Calcium Carbonate	CaCO ₃	1317-65-3	0-5	N/A
Potassium Aluminum	KAIF ₄	14484-69-6	0-5	N/A
Carbon Black	C	1333-86-4	0-5	N/A

SECTION III: FIRST AID

4.1 First Aid for Exposure:

Remove to fresh air, wash eyes with water, wash skin with soap and water, obtain first aid or medical assistance as deemed necessary.

4.2 Signs and Symptoms of Exposure:

Could cause coughing and shortness of breath due to dust. May affect breathing, irritate eyes, and cause skin irritation. Pre-existing respiratory disease may be aggravated.

SECTION V: FIRE FIGHTING MEASURES

5.1 Means of Extinction:

Use any media that is appropriate for the surrounding fire.

5.2 Unusual Fire or Explosion Hazards:

This product is not combustible. However, consideration must be given to the potential fire/explosion hazards from the base material being process. Many materials create flammable/explosive dusts or turnings when machined or ground.

5.3 Special Fire Fighting Procedures:

None needed.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Pick up, sweep up or vacuum and place in a container for disposal. Minimize generation of dust. Notify authorities as required by local, state and federal regulators.

SECTION VI: STORAGE, HANDLING AND USE PROCEDURES

7.1 Handling:

Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking or smoking. Refer to ANSI B7.1 Safety Code for additional information. Consider potential exposure to components of the base materials or coating being ground. Refer to OSHA's substance specific standards for additional work practice requirements where applicable.

7.2 Storage:

Store in accordance with ANSI B7.1 Safety Code. Protect abrasive wheels from damage.

SECTION VIII: PERSONAL PROTECTIVE CONTROL MEASURES

8.1 Exposure Limits

Chemical	OSHA PEL	ACGIH TLV
Aluminum Oxide	15 mg/m ³	10 mg/m ³
Silicon Carbide	15 mg/m ³	10 mg/m ³
Zirconium Oxide (as Zirconium)	5 mg/m ³	5 mg/m ³
Cured Phenolic Resin	None established	None established
Cured Rubber Compounds	None established	None established
Iron Pyrite	None established	None established
Woven Fiberglass	10 mg/m ³	5 mg/m ³
Sulfur	15 mg/m ³	10 mg/m ³
Cryolite (as fluorides)	2.5 mg/m ³	2.5 mg/m ³
Cured Epoxy Resin	None established	None established
Titanium Dioxide	15 mg/m ³ (fume)	10 mg/m ³
Calcium Carbonate	15 mg/m ³	None established
Calcium Oxide	5 mg/m ³	2 mg/m ³
Potassium Aluminum Fluoride	2.5 mg/m ³	2.5 mg/m ³
Potassium Fluoroborate (as fluorides)	2.5 mg/m ³	2.5 mg/m ³
Iron Oxide	10 mg/m ³	5 mg/m ³
Carbon Black	3.5 mg/m ³	3.5 mg/m ³

Note: Consider also compounds of base materials and coatings being ground.

8.2 Personal Protection Requirements and Referrals.

Respiratory:

Use NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive.

Ventilation: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the TLVs.

Protective Gloves: Cloth or leather gloves recommended.

Eye Protection: Safety goggles or safety glasses with side shields.

Hearing Protection: Elevated sound levels may result during operation. Use ear protection as necessary.

Hygienic Practices: Follow good, general industrial hygienic safety practices during use.

SECTION IX: PHYSICAL/CHEMICAL CHARACTERISTICS
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Boiling Point:	N/A	Specific Gravity:	NA
Vapor Pressure:	(mm Hg) NA	Melting Point:	NA
Vapor Density:	(air=1) NA	Evaporation Rate:	(Butyl Acetate=1) NA
Solubility in Water:	Insoluble	Explosion Limits:	NA
Odor:	None	Flash Point:	Non-combustible
Appearance:	Black, green or reddish colored rigid wheel		

SECTION X: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: None known

Hazardous Decomposition Products: Dust from grinding could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being ground or coatings applied to the base material.

Hazardous Polymerization: Will not occur.

SECTION XI: TOXICOLOGICAL DATA

11.1 Component Information:

Chemical	Short Term Effects	Long Term Effects	Carcinogen
Aluminum Oxide	Oral rat LD50>5,000 mg/kg	No Data Available	Not Carcinogenic
Cryolite	Oral rat LD50>5,000 mg/kg	No Data Available	Not Carcinogenic
Titanium Dioxide	Oral rat LD50>10,000 mg/kg	Not Data Available	2B as listed by IARC
Calcium Carbonate	Oral rat LD50=6,450 mg/kg	No Data Available	Not Carcinogenic
Potassium Aluminum	No Data Available	No Data Available	3 as listed by IAR
Manganese Chloride	Oral rat LD50=250mg/kg	May cause fluorosis	No data available
Carbon Black	Oral rat LD50>14,500 mg/kg	No data available	2B as listed by IARC
Glass Filaments	No data available	No data available	2B as listed by IARC

11.29 Route(s) of Entry and Symptoms of Exposure:

See Section 4.2

SECTION XII: ECOLOGICAL INFORMATION

No ecological data is available for this product. No hazards to the environment are expected from this product. However, consideration must be given to potential environment effects of the base material being processed.

SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

SECTION XIV: TRANSPORT INFORMATION

DOT Hazardous Materials Description: Not regulated

Proper Shipping Name: Not regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

SECTION XV: REGULATORY INFORMATION

SARA Section 311/312 Hazard Categories: Not Applicable (manufactured articles)

SARA Section 313: Some products contain the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting): None

California Proposition 65: **WARNING!** You create dust when you cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.

Canadian WHMIS Classification: Not a controlled product. This product meets the definition of a “manufactured article” under the WHMIS regulations. This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

SECTION XVI: OTHER INFORMATION

SDS Revision Date: 15 April 2015

Reason for Update: Mandated Updated

Preparation by:

NOTICE TO READER: The information and recommendations set forth herein are taken from sources and references believed to be accurate and complete as of the date hereof. However, Everett Industries, LLC makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof.



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Calcium Oxide	CaO	1305-78-8	0-5	N/A
Sulfur	S ₈	7704-34-9	0-15	N/A
Potassium Fluoroborate	KBF ₄	14075-53-7	0-5	N/A
Iron Oxide	FE ₂ O ₃	1309-37-1	0-5	N/A

Manganese Stearate	Mg(C ₁₈ H ₃₅ O ₂)	7773-01-5	1-10	N/A
Calcium Carbonate	CaCO ₃	1317-65-3	0-5	N/A
Potassium Aluminum	KAlF ₄	14484-69-6	0-5	N/A
Kaolin	Al ₂ Si ₂ O ₅ (OH) ₄	557-04-0	0-5	N/A

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Remove to fresh air, wash eyes with water, wash skin with soap and water, obtain first aid or medical assistance as deemed necessary.

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Chemical	OSHA PEL	ACGIH TLV
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Silicon Carbide	15 mg/m ³	10 mg/m ³
Cured Phenolic Resin	None established	None established
Cured Rubber Compounds	None established	None established
Sulfur	15 mg/m ³	10 mg/m ³
Calcium Carbonate	15 mg/m ³	None established
Calcium Oxide	5 mg/m ³	2 mg/m ³
Potassium Aluminum Fluoride	2.5 mg/m ³	2.5 mg/m ³
Potassium Fluoroborate (as fluorides)	2.5 mg/m ³	2.5 mg/m ³
Iron Oxide	10 mg/m ³	5 mg/m ³
Kaolin	10 mg/m ³	10 mg/m ³
Magnesium Stearate	None established	10mg/m ³

Note: Consider also compounds of base materials and coatings being ground.

8.2 Personal Protection Requirements and Referrals.

Respiratory:

Use NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive.

Ventilation:

Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the TLVs.

Protective Gloves:

Cloth or leather gloves recommended.

Eye Protection:

Safety goggles or safety glasses with side shields.

Hearing Protection:

Elevated sound levels may result during operation. Use ear protection as necessary.

Hygienic Practices: Follow good, general industrial hygienic safety practices during use.

SECTION IX: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity:	NA
Vapor Pressure:	(mm Hg) NA	Melting Point:	NA
Vapor Density:	(air=1) NA	Evaporation Rate:	(Butyl Acetate=1) NA
Solubility in Water:	Insoluble	Explosion Limits:	NA
Odor:	None	Flash Point:	Non-combustible
Appearance:	Black, green or reddish colored rigid wheel		

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Potassium Aluminum	No Data Available	No Data Available	3 as listed by IAR

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California Proposition 65: **WARNING!** You create dust when you cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.

Canadian WHMIS Classification: Not a controlled product. This product meets the definition of a "manufactured article" under the WHMIS regulations. This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

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Preparation by:

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