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Resin Bonded Abrasive Products
Brand names: GARD

Section 1- Chemical Product and Company Information

Product Name	GARD Thin Cut Elite II Cutoff Wheel
Trade Name	Cut-off Wheels
Manufacturer	GARD Specialists Co., Inc.
Phone #	800 541-9301
Fax #	715-479-9269
Effective Date	09/08/2017

Section 2-Hazards Information

Inhalation and Acute Exposure Effects	As nuisance dust.
Inhalation Chronic Exposure Effect	As nuisance dust.
Eye Contact	Dust may irritate eyes.
Skin Contact Acute Exposure Effect	N/A
Ingestion Acute Exposure Effects	N/A

Section 3- Composition / Identity Information

May contain one or more of the following:

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS #	Wgt %	OSHA PEL (mg/m3)	ACGIH TLV (MG/M3)	Carcinogen	SARS313
Fiberglass	65997-17-3	0.5	15mg/cum	10mg/cum	No	No
Aluminum Oxide	1344-28-1	50-90	15mg/cum	10mg/cum	No	No
Silicon Carbide	13463-67-7	10-90	15mg/cum	10mg/cum	No	No
Zirconium Oxide	1314-23-4	10-50	5mg/cum	5mg/cum	No	No
Cured Resin	9003-35-4	10-20	Not Established	Not Established	No	No
Cryolyte	15096-52-3	0-20	Not Established	Not Established	No	No
Wallastonite	13983-19-0	0-20	Not Established	Not Established	No	No
Calcium Oxide	1305-78-8	0-4	5mg/cum	2mg/cum	No	No
Iron Disulfide	1309-36-0	0-15	Not Established	Not Established	No	No
Sulfur	7704-34-9	0/5	10mg/cum	10mg/cum	No	No
Depolymerized Rubber	78-795-5	0-10	Not Established	Not Established	No	No
Barium Sulfate	7727-43-7	0-12	15mg/cum	10mg/cum	No	No
Furfuryl Alcohol	98-0-0	0-5	50 ppm	10 ppm	No	No

Section 4- First Aid Measures

Inhalation	Remove to fresh air, if required obtain medical attention.
Skin Contact	Wash area with soap and water. If required obtain medical attention.
Eye Contact	Wash with water. If required obtain medical attention.

Section 5- Fire Fighting Measures

Fire Fighting Procedures	N/A
Hazardous Products/ Combustion	None
Health Rating Source NFPA	None
Special Fire Fighting Procedures	Use nearest fire extinguisher
Unusual Fire and Explosion Hazard	N/A

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Section 6- Accidental Release Measures

Clean Up Follow normal clean up procedures.

Section 7- Handling Storage

Handling Do not use damaged products. Always refer to ANSI B7.1 for specific instructions for safe operation. Do not use wheels at speed greater than the product rating. Inspect each wheel for damage prior to mounting.

Storage Always refer to ANSI B7.1 for specific instructions for safe storage procedures. Products deterioration is accelerated by storage in damp areas or when exposed directly to water and condensation. Wheels made from resins will deteriorate in strength and performance over time.

Section 8- Exposure controls/ Personal Protections

Respiratory Protection Use MSHA or NIOSH respirator as required maintaining ventilation below the TLV/TWA.

Ventilation Use exhaust ventilation as necessary to maintain airborne concentration levels below the TLV/TWA.

Local Exhaust Exhaust System

Protective gloves As required by end user

Eye protection Always wear safety glasses or some type of eye protection when using abrasive products.

Hearing Protection Hearing protection must be worn when required. Use of this product may create elevated sound levels.

Section 9- Physical and Chemical Properties

Structure Solid mass.

Solubility in water Not Soluble

Appearance and odor Solid smooth or rough surface brown, odorless.

Section-10 Stability and reactivity

Incompatibilities Avoid alkalis of all types with pH>10.0
Avoid acids of all types with a pH<4.0

Decomposition Products containing Phenol Formaldehyde may produce elements of Phenol and Formaldehyde from thermal decomposition.

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Section-11 Toxicological Data

11.1 - Acute Toxicological Effects

<u>Chemical</u>	<u>Route of Exposure</u>	<u>Acute LD50</u>
Aluminum Oxide	oral	>5000 MG/KG (rat)
Zirconium Oxide	oral	>880 mg/kg (mouse)
Glass Fiber	N/A	N/A
Alkali Aluminum Fluorides	oral	>5000 MG/KG (rat)
Cured Phenolic Resin	N/A	N/A
Carbon Black	oral	8000 mg/kg (rat)
Silicon Carbide	N/A	N/A
Calcium Hydroxide	oral	7340 mg/kh (rat)
Barium Sulfate	N/A	N/A
Iron Disulfide	N/A	N/A

11.2 - Toxicological Effects

Dust Inhalation	Coughing and shortness of breath, aggravation, decreased lung capacity of medical conditions such as asthma or emphysema
Ingestion	Can cause stomach pain, vomiting and diarrhea
Absorption	N/A
Skin Contact	Grinding wheel may cause abrasions Dust may cause skin irritation
Eye	Dust or fumes may cause eye irritation
Carcinogenicity	Unknown
Mutagenicity	Unknown
Reproductive Effects	Unknown

Section-12 Ecological

Resin bonded products demonstrate similar degradation rates as Phenolic plastics

Section-13 Waste Disposal

Use standard landfill methods according to Federal laws and those of your local and state governments

Section-14 Transport Information

Not regulated as a hazardous material for transport

Section-15 Regulatory Information

No data available

Section-16 Other Information

SDS Revision 09/08/2017

Mandated update

Prepared by GARD Specialists Co., Inc.