



## SAFETY DATA SHEETS (SDS)

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **BONDED ABRASIVE PRODUCTS**  
 Grinding and Cutting Wheels: (Type 1, Type 27, Type 28, Type 29,  
 Cup Wheels (Type 11)  
 Plugs & Cones: (Type 16, 17, 18R)  
 Mounted Point Wheels  
 Bench Grinding Wheels

Manufacturer Name: Shark Industries  
 Address: 6700 Bleck Drive, Rockford, MN 55373  
 Website: [www.sharkind.com](http://www.sharkind.com)  
 Email: [info@sharkind.com](mailto:info@sharkind.com)  
 Phone Number: 763-565-1900  
 Fax Number: 763-565-1901  
 SDS Creation Date: May 1st. 2015

### SECTION 2 - HAZARDS IDENTIFICATION

Inhalation, Acute: Dust Inhalation may cause coughing, shortness of breath or irritation.  
 Inhalation, Chronic: Dust Inhalation may affect breathing capacity.  
 Ingestion: No known adverse effects, but ingestion not recommended.  
 Skin: Not absorbed through skin. Dust may cause irritation/rash to some.  
 Eye: Dust may irritate eyes.  
 Other Potential Risks: Grinding may create elevated sound levels, which may affect hearing and may aggravate pre-existing respiratory condition.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	INGREDIENTS & CHEMICAL IDENTITY (COMMON NAME):	CAS #	%
1	* Aluminum Oxide (Alumina)	1344-28-1	0% - 95%
2	* Silicon Carbide (Crysolon)	409-21-2	0% - 90%
3	* Phenol Formaldehyde (Phenolic Resin)	N/A	2% - 30%
4	* Sodium Fluoroaluminate (Cryolite)	15096-52-3	0% - 20%
5	* Fiborous Glass (Fiberglass)	N/A	0% - 20%
6	* Zirconium Oxide	1314-23-4	0%-80%
7	* Iron Pyrite	12068-85-8	0%-20%
8	* Sulfur	7704-34-9	0%-15%
9	* Calcium Oxide	1305-78-8	0% - 10%
10	* Iron Oxide	1309-37-1	0%-5%
11	* Graphite	7782-42-5	0%-5%
12	* Potassium Fluoroborate	14075-53-7	0%-5%

**SECTION 4 - FIRST AID MEASURES**

Eye Contact:	Immediately flush eyes with water for at least 15 to 20 minutes. Make sure the dust is completely washed off. Get medical attention, if irritation symptoms develop or persist.
Skin Contact:	Wash skin with soap and rinse plenty of water. Get medical attention if irritation symptoms develop or persist.
Inhalation:	Remove affected person to fresh air. Apply artificial respiration if necessary. Seek medical assistant if affected person is still having trouble breathing.
Ingestion:	If accidentally ingested, contact physician for medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

Flammable Property:	Non-flammable
Flash Point:	N/A
Flammable limit:	N/A
LEL:	N/A
UEL:	N/A
Extinguishing Media:	Extinguisher and Water

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Step to be taken in case of leaks or spills:	Ventilate area. Normal clean-up procedures. Avoid creating dusty conditions.
Waste disposal method:	Dispose-of in a secured sanitary landfill consistent with applicable Federal, State and Local Laws and Regulations

**SECTION 7 - HANDLING AND STORAGE**

Handling:	Handle with adequate ventilation (See OSHA 29CFR 1910.94 Ventilation) and 29CFR 1910.1000 (Air Contaminates)
Storage:	Store in dry area, away from heat source. Ideal storage temperature 65-70°F (18-24°C), 50-60% RM
General Hygiene Practices:	Wear proper gloves, eye and face protection.

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

	<b>HAZARDOUS COMPONENT</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
1	* Aluminum Oxide (Alumina)	5mg/m3 respirable fraction, 15mg/m3 total dust	1mg/m3 respirable fraction
2	* Silicon Carbide (Crysolon)	NONE	10 mg/m3 inhalable fraction, 3mg/m3 respirable fraction
3	* Phenol Formaldehyde (Phenolic Resin)	NONE	5 PPM
4	* Sodium Fluoaluminate (Cryolite)	2.5 mg/m3	2.5 mg/m3
5	* Fiborous Glass (Fiberglass)	15mg/m3 total dust, 5mg/m3 respirable fraction	10mg/cu.m total dust, 5mg/m3 respirable fraction
6	* Zirconium Oxide	5mg/m3	5mg/m3 10mg/m3 Stel
7	* Iron Pyrite	NONE	NONE
8	* Sulfur	NONE	NONE
9	* Calcium Oxide	5mg/m3	2mg/m3
10	* Iron Oxide	10mg/m3	5mg/m3 respirable fraction
11	* Graphite	15mppcf	2mg/m3 respirable fraction
12	* Potassium Flouoroborate	2.5mg/m3	2.5mg/m3

Respiratory Protection: Specify Type, as needed. For Approved Dust Respirators,  
See OSHA 29CFR 1910.134

Eye and Face Protection: Always wear safety glasses. Recommended - See OSHA 29 CFR 1910.133  
and ANSI Z87.1

Hearing Protection: Hearing Protection as needed. OSHA 29CFR 1910.95

Skin and Hand Protection: Wear glove and Lab coat.

Local Exhaust : Required to keep dust levels below permissible exposure limits.

Mechanical: Required to keep dust levels below permissible exposure limits.

**SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES**

Physical Sate Appreance:	Solid	Melting Point: N/A
Flammability:	Non-flamable	Solubility: non-soluble
Ordor:	Odorless	Initial Boining Point: N/A
Vapor Pressure:	N/A	Flash Point: N/A
Vapor desity:	N/A	Evaporation Rate: N/A
pH:	N/A	Auto-ignition temprature: Not determimed
Relative density:	N/A	Decomposition Temprature& viscosity: N/A

---

**SECTION 10 - STABILITY and REACTIVITY**

Hazardous Polymerization: Hazardous polymerization does not occur under normal condition and usage.  
Stability: Stable under normal condition.  
Condition to avoid: Unspecified.  
Hazarous decompositon: Dust from grinding could contain ingredients listed in seciton 3 and other, potentially more hazardous components of the base material being ground or coatings applied to the base material.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute Toxicity: This product has not been tested for its toxicity.  
Ingestion: If accidentally ingested, contact physician for medical attention.  
Inhalation: Dust inhalation may cause coughing, shortness of breath or irritation.  
Skin: Not absorbed through skin. Dust may cause irritation/rash to some.  
Eye: Dust may irritate eyes.  
Other Potential Risks: Grinding may create elevated sound levels, which may affect hearing and may aggravate pre-existing respiratory condition.  
Carcinogenicity: Silica, Amorphous, Fused - IARC-3, NIOSE-X LD50/LC50  
Values are not appropriate or available.

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity: No ecotoxicity data was found for the product.  
Environmental effects: No known significant effects or hazards.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Dispose-of in a secured sanitary landfill consistent with applicable Federal, State and Local Laws and Regulations.

**SECTION 14 - TRANSPORT INFORMATION**

DOT Shipping Name: Not regulated as hazadous material for transportation.  
DOT UN Number: Not regulated as hazadous material for transportation.  
Transport hazard class: None  
Packing Group Number: None  
Environmental Hazard: Not regulated as hazadous material for transportation.  
label Required: None

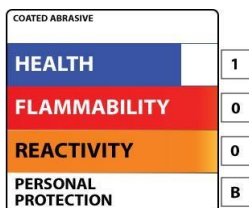
**SECTION 15 - REGULATORY INFORMATION**

HCS Classification: This product is Exempted from the regulatory requirement HCS  
 U.S. Federal Regulations: **SARA 311/312 Hazardous Substances:** Not Applicable  
**EPA TSCA Inventory:** All of the ingrediennts are listed  
**California Proposition 65:** WARNING: Dust generated from cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal when using this product offen contains chemicals known to cause cancer, birth defects, or other reproductive harm.  
**Canadian WHMIS Classification:** There is no EXEMPTED from the regulatory. Not a controlled product.  
 Canadian CEPA: None toxic substances. All of the ingredients are listed on the Canadian DSL.

**SECTION 16 - OTHER INFORMATION**

Label Requirement: Not controlled under O.S.H.A and under W.H.M.S. when used according to Industry safety standard.

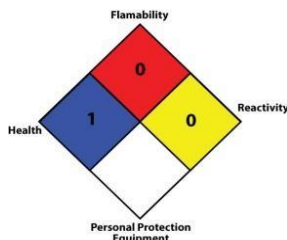
Hazardous Material Information System (USA)



Hazard Ratings

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

National Fire Protection Association



References: ANSI B7.1 and O.S.H.A regulations

Date this revision: 5/1/2015  
 Prepared By: Shark Industries

Notice to reader

The information and recommendations set forth herein are taken from sources believed to be accurate. However, Shark Industries, makes No Warranty with respect to accuracy of the information or the suitability of the recommendations, and assumes No Liability to any user thereof.