**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

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**

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| **INGREDIENTS & CHEMICAL IDENTITY**  **(COMMON NAME):** | **CAS #** | **%** |
| \* Aluminum Oxide (Alumina) | 1344-28-1 | 0% - 95% |
| \* Silicon Carbide (Crystolon) | 409-21-2 | 0% - 90% |
| \* Phenol Formaldehyde  (Phenolic Resin) | N/A | 2% - 30% |
| \* Sodium Fluoaluminate  (Cryolite) | 15096-52-3 | 0% - 20% |
| \* Fiborous Glass (Fiberglass) | N/A | 0% - 20% |
| \* Zirconium Oxide | 1314-23-4 | 0%-80% |
| \* Iron Pyrite | 12068-85-8 | 0%-20% |
| \* Sulfur | 7704-34-9 | 0%-15% |
| \* Calcium Oxide | 1305-78-8 | 0% - 10% |
| \* Iron Oxide | 1309-37-1 | 0%-5% |
| \* Graphite | 7782-42-5 | 0%-5% |
| \* Potassium Flouroborate | 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 Ventilate area. Normal clean-up procedures. of leaks or spills: 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**

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| **HAZARDOUS COMPONENT** | **OSHA PEL** | **ACGIH TLV** |
| \* Aluminum Oxide  (Alumina) | 5mg/m3 respirable fraction, 15mg/m3 total dust | 1mg/m3 respirable fraction |
| \* Silicon Carbide  (Crystolon) | NONE | 10 mg/m3 inhalable fraction, 3mg/m3 respirable fraction |
| \* Phenol Formaldehyde  (Phenolic Resin) | NONE | 5 PPM |
| \* Sodium Fluoaluminate  (Cryolite) | 2.5 mg/m3 | 2.5 mg/m3 |
| \* Fiborous Glass  (Fiberglass) | 15mg/m3 total dust, 5mg/m3 respirable fraction | 10mg/cu.m total dust, 5mg/m3 respirable fraction |
| \* Zirconium Oxide | 5mg/m3 | 5mg/m3  10mg/m3 Stel |
| \* Iron Pyrite | NONE | NONE |
| \* Sulfur | NONE | NONE |
| \* Calcium Oxide | 5mg/m3 | 2mg/m3 |
| \* Iron Oxide | 10mg/m3 | 5mg/m3 respirable fraction |
| \* Graphite | 15mppcf | 2mg/m3 repirable fraction |
| \* Potassium Flouroborate | 2.5mg/m3 | 2.5mg/m3 |

Repiratory 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 tempurature: Not determimed

Relative density: N/A Decomposition Tempurature& viscosity: N/A

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

HCS Classification: This product is Exampted 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.

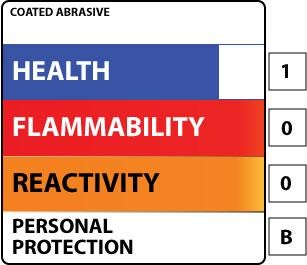
**Canadian WHMIS Classification:** There is no EXEMPTED from the regulatory. Not a controlled product.

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.

Hazard Ratings

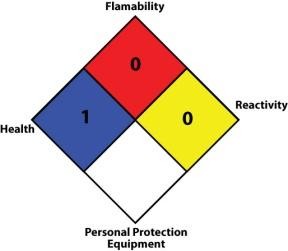
Hazadous Material 4- Extreme

Information System (USA) 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.