MATERIAL SAFETY DATA SHEET

ABRASIVE FLAP WHEELS
ABRASIVE FLAP DISC – POLYMER BACKED

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Emergency Telephone Number: 800-447-4248
Address: 7525 North Oak Park Avenue
Niles, IL 60714
Telephone Number for Information: 800-447-4248
Date Prepared: January 1, 2013

Section II - Composition of Components

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>15 MG/M3</td>
<td>10 MG/M3</td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>5 MG/M3</td>
<td>5 MG/M3</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>N/I</td>
<td>N/I</td>
</tr>
<tr>
<td>Epoxy Resin</td>
<td>N/I</td>
<td>N/I</td>
</tr>
<tr>
<td>based on blend of Bisphenol-A &amp; Bisphenol-F</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Polymers</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Carbon</td>
<td>3.5 MG/M3</td>
<td>3.5 MG/M3</td>
</tr>
<tr>
<td>Fibre Glass</td>
<td>-</td>
<td>10 MG/M3</td>
</tr>
</tbody>
</table>
Section III - Physical/Chemical Characteristics

Boiling Point: N/A
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR=1): N/A
Specific Gravity (H2O=1): >1
Melting Point: 400-500 degrees fahrenheit
Solubility in Water: Paper label has slight water solubility
Evaporation Rate: (Butyl Acetate=1): N/A
Appearance and Odor: Solid polymer disc coated with flaps of abrasive cloth, no odor

Section IV - Fire and Explosion Hazard Data

Flash Point: N/A
Flammable Limits: 200 degrees
- CLEL: N/A
- UEL: N/A
Extinguishing Media: Water
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Intense heat, dense black smoke, carbon monoxide, hydrogen cyanide, ammonia, aldehydes and carbon dioxide

Section V - Reactivity Data

Stability: Stable
Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0
Hazardous Polymerization: Will not occur
Hazardous Byproducts: Grinding dust may produce respiratory hazard
Section VI – Health Hazard Data

Routes of Entry: Inhalation, Skin
Health Hazards (Acute and Chronic): May affect breathing capacity
Signs and Symptoms of Exposure:
- Inhalation: coughing, shortness of breath
- Eye: irritation
- Skin: irritation
Emergency and First Aid Procedures:
- Inhalation overexposure: remove to fresh air and contact physician if needed
- Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
- Eye contact: wash with water, obtain medical assistance if needed
- Ingestion: no known adverse effects, but advisable to obtain medical assistance

Section VIII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
- Ventilate area and collect material in safe manner.
Water Disposal Method:
- Standard landfill methods with federal, state and local laws.
Precautions to be Taken in Handling and Storing:
- Avoid mechanic damage, handle and store in accordance with ANSI B 7.1
- Always handle and store carefully
- Inspect wheel prior to mounting.
- Make sure machine speed is compatible to speed of wheel
Other precautions:
- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels
Section VIII - Control Measures

Respiratory Protection:
- Approved dust respirator protection required, see OSHA 29 CFR 1910-134

Ventilation:
- Local exhaust required
  - Mechanical (general) recommended
  - Other: N/A

Protective Gloves: as desired by operator

Eye Protection: Required, see OSHA CFR 1910-133

Other Protective Clothing or Equipment:
- If applicable (apron)
  - Face shield recommended
- Hearing Protection: Where required, see OSHA 29 CFR 1910-134
- Machine guards
MATERIAL SAFETY DATA SHEET

EZ STRIP WHEELS – NON-WOVEN SURFACE CONDITIONING

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS

Emergency Telephone Number: 800-447-4248

Address: 7525 North Oak Park Avenue

Telephone Number for Information: 800-447-4248

Niles, IL 60714

Date Prepared: January 1, 2010

NOTE: Coated abrasives are inert products, which do no cause risks when correctly stored or handled. During the use, in case they are fixed on machine tools, special care has to be taken to protect the users. During the use most abrasive dust particles come from the abrasive material which is being converted and from the cooling liquid, if any, so that special attention has to be given particularly to the features of the abrasive material and to the cooling agent (if any), providing, where necessary, the right protections and exhausters.

Section II - Composition of Components Note: all components are non-hazardous

2.1 Abrasive material: Corundum (Al.ox.) or silicon carbide applied on supporting material composed of plastic or nylon filaments through resin.
2.2 Adhesive: Polymerized synthetic resin.
2.3 Bushing: Galvanized sheet iron
2.4 Support: Resin-reinforced layers of fibreglass web
Section III - Physical/Chemical Characteristics
3.1 Physical state, colour, odour: Solid abrasive product, odourless.
3.2 pH value: N/A
3.3 Boiling point/range: N/A
3.4 Melting point/range: Unknown
3.5 Flash point: N/A
3.6 Auto-ignition point: N/A
3.7 Vapour pressure: N/A
3.8 Relative density: Unknown
3.9 Vapour density: N/A
3.10 Volatile organic compounds: N/A
3.11 Evaporation speed: N/A
3.12 Viscosity: N/A

Section IV - Fire and Explosion Hazard Data
4.1 Suitable fire-fighting equipments.
4.2 Fire-fighting procedure.
Wear a complete protection outfit: helmet with visor and neck protection, pressure respirator or self-contained breathing apparatus, fireproof trousers and jacket with strips around arms, legs and waist.

Section V - Reactivity Data
5.1 Conditions to be avoided: Excessive heat or humidity
5.2 Materials to be avoided: strong acids, strong bases and concentrated oxidising materials can modify product’s characteristics, particularly those of the adhesive and can cause security problems when the wheels are used on machines.
5.3 Hazardous decomposition products: Carbonic oxide and carbonic anhydride.
5.4 Stability and Reactivity: Stable. It does not dangerously polymerize.
Section VI – Health Hazard Data

TOXICOLOGY INFORMATION

6.1 Eye contact.
Mechanical irritation of eyes: symptoms can include irritation, reddening, cornea abrasion and watering. Dusts arising from use can cause eyes inflammation.

6.2 Skin contact.
Mechanical skin irritation: symptoms can include itches and erythem.

6.3 Inhalation.
Irritation (upper respiratory section): symptoms can include nose ache and throat ache, cough, sneezing. Dusts arising during use can cause irritation of respiratory system.

6.4 Ingestion.
Ingestion is not a probable way of exposure to this product.

6.5 Other toxicologic information.
Health hazards derive from the material that is ground.

FIRST AID PROCEDURES
The following advices are basic rules during the use of coated abrasives and have to be completed by the information given in the security sheets of the abrasive material and of the cooling liquid, if any.

6.1A - Eye contact: Avoid exposure. Irrigate immediately and plentifully with water. Immediately consult a physician.

6.2B - Skin contact: Wash the surface with soap and water.

6.3C - Inhalation: Avoid exposure. In case of symptoms remove to fresh air. If symptoms persist consult a physician.

6.4D - Ingestion: In case of ingestion no first help is necessary.
Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
- NOT APPLICABLE

STORAGE:
Store at controlled temperature and humidity to avoid damages causing risks of breakage.

Section VIII - Control Measures
NOT APPLICABLE FOR HANDLING AND STORAGE.
During the use refer to the instructions of operating machines, to National Rules and strictly respect the indicated maximum speeds of use.
8.1 Eye protection: Wear security goggles.
8.2 Hand protection: Wear protective gloves.
8.3 Respiratory protection: Use antidust mask.
8.4 Ingestion: Not applicable.
8.5 Hearing protection: Use headsets or equivalents.
8.6 Skin protection: Wear reliable protective clothing.
8.7 Advised ventilation: If necessary, according to the type of treated material, provide for a localized suction during the use.

Section VIII. ECOLOGIC INFORMATION
9.1 Motion : When coated abrasives are being used, fragments are easily retained on fixed machines or by way of suitable protections when used on portable machines.
9.2 Persistence and biodegradation property: not biodegradable.
9.3 Potential of bioaccumulation: Not applicable.
9.4 Ecotoxicity data: Information not available. Use according to good working procedures, avoiding to scatter the product in the environment.

Section X. REMARKS ON WASTE DISPOSAL
National and local laws to be followed.

Note: Residues can be accidentally contaminated after use. For waste disposal consider also the material that is being ground.
Section XI. TRANSPORT INFORMATION
11.1 UN number: No regulations.
11.2 ADR/RID Class: No regulations.
11.3 IMO Class: No regulations.
11.4 ICAO Class: No regulations.

Section XII. INFORMATION ON REGULATIONS
EEC regulations: No specific marking is required by EC regulation 88/379 EC:
National or local regulations: refer to relevant documents.

Section XIII. OTHER INFORMATION
Information given in this security sheet is based on data available at present and according to
our best knowledge regarding the more suitable procedures for product handling under normal
conditions. Any other use of the product not according to the information of present sheet or
the use of product together with any other product or in any other process fall on the sole
responsibility of the user. Laws and regulations have to be strictly followed by users who are
responsible for the use of products described on present sheet.
ABRASIVE COATED ABRASIVES – RESIN OVER RESIN, COTTON CLOTH, POLYESTER CLOTH, VULCANIZED FIBRE, FIBREGLASS BACKING, ABRASIVE CLOTH ROLLS, FIBRE DISCS, SEMIFLEX DISCS

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Address: 7525 North Oak Park Avenue
Niles, IL  60714

Date Prepared: January 1, 2010

Section II - Composition of Components Note: all components are non-hazardous

<table>
<thead>
<tr>
<th>Components</th>
<th>% by weight</th>
<th>CAS Nr.</th>
<th>EG Nr. (elincs/einecs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>13-60</td>
<td>1344-28-1</td>
<td>215-692-6</td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td>15-60</td>
<td>409-21-2</td>
<td>206-991-8</td>
</tr>
<tr>
<td>Zirconia Alumina</td>
<td>14-60</td>
<td>1314-23-4</td>
<td></td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>3-5</td>
<td>1317-65-3</td>
<td>215-279-6</td>
</tr>
<tr>
<td>Phenolic Resin</td>
<td>15-30</td>
<td>9003-35-4</td>
<td>500-005-2</td>
</tr>
<tr>
<td>Cryolite</td>
<td>3-5</td>
<td>15096-52-3</td>
<td></td>
</tr>
<tr>
<td>Calcium Stearate</td>
<td>0.5-1.0</td>
<td>1592-23-0</td>
<td></td>
</tr>
<tr>
<td>Quick Change Discs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CaCO₃</td>
<td>7-14</td>
<td>471-34-1</td>
<td></td>
</tr>
<tr>
<td>Na₃AlF₆</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section III - Physical/Chemical Characteristics

Boiling Point: N/A  
Vapor Pressure (mm Hg.): N/A  
Vapor Density (AIR=1): N/A  
Specific Gravity (H2O=1): >1  
Melting Point: 400-500 degrees fahrenheit  
Solubility in Water: Paper label has slight water solubility  
Evaporation Rate: (Butyl Acetate=1): N/A  
Appearance and Odor: Solid polymer disc coated with flaps of abrasive cloth, no odor

Section IV - Fire and Explosion Hazard Data

Flash Point : N/A  
Flammable Limits: 200 degrees
  - CLEL: N/A  
  - UEL: N/A  
Extinguishing Media: Water  
Special Fire Fighting Procedures: None  
Unusual Fire and Explosion Hazards: Intense heat, dense black smoke, carbon monoxide, hydrogen cyanide, ammonia, aldehydes and carbon dioxide

Section V - Reactivity Data

Stability: Stable  
Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0  
Hazardous Polymerization: Will not occur  
Hazardous Byproducts: Grinding dust may produce respiratory hazard
Section VI – Health Hazard Data

Routes of Entry: Inhalation, Skin
Health Hazards (Acute and Chronic): May affect breathing capacity
Signs and Symptoms of Exposure:
- Inhalation: coughing, shortness of breath
- Eye: irritation
- Skin: irritation
Emergency and First Aid Procedures:
- Inhalation overexposure: remove to fresh air and contact physician if needed
- Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
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- Ingestion: no known adverse effects, but advisable to obtain medical assistance

Section VIII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
- Ventilate area and collect material in safe manner.
Water Disposal Method:
- Standard landfill methods with federal, state and local laws.
Precautions to be Taken in Handling and Storing:
- Avoid mechanic damage, handle and store in accordance with ANSI B 7.1
- Always handle and store carefully
- Inspect wheel prior to mounting.
- Make sure machine speed is compatible to speed of wheel
Other precautions:
- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels
Section VIII - Control Measures

Respiratory Protection:
- Approved dust respirator protection required, see OSHA 29 CFR 1910-134

Ventilation: Local exhaust required
- Mechanical (general) recommended
- Other: N/A

Protective Gloves: as desired by operator

Eye Protection: Required, see OSHA CFR 1910-133

Other Protective Clothing or Equipment:
- If applicable (apron)
- Face shield recommended
- Hearing Protection: Where required, see OSHA 29 CFR 1910-134
- Machine guards
TRIMMABLE FLAP DISC BACKING MATERIAL

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Emergency Telephone Number: 800-447-4248

Address: 7525 North Oak Park Avenue
Niles, IL 60714
Telephone Number for Information: 800-447-4248

Date Prepared: November 17, 2010

Section II - Composition of Components Note: All Components are Non-Hazardous

No special hazards.
The product is not a hazardous preparation in accordance with the German Regulation on Dangerous Substances (Gefahrstoffverordnung) in the current edition and the corresponding EC directives.

Section III - Physical/Chemical Characteristics

3.1 Chemical characterization
Polycapro lactam (Polyamide 6) containing reinforcing fillers, possibly further additives and colorants

3.2 Dangerous ingredients
No duty to declare
Section IV - First Aid Measures

After skin contact:
Burns by molten material require hospital treatment. Cool affected area as soon as possible. Do not remove material from skin.

After inhalation:
Take affected person to fresh air. In case of continuous complaints seek medical help.

After eye contact:
Rinse thoroughly with plenty of water. In case of continuous complaints seek medical help.

After digestion:
No special measures required. In case of continuous complaints seek medical help.

Section V - Fire Fighting Measures

Suitable extinguishing media: Water spray, extinguishing powder, foam, carbon dioxide (CO₂)
Unsuitable extinguishing media for safety reasons: Water jet
Main hazardous gases given off during combustion: Carbon monoxide (CO), carbon dioxide (CO₂), nitrous oxides (NOₓ)
Firemen have to wear self-contained breathing apparatus.

Section VI – Accidental Release Measures

Sweep / shovel up to prevent slipping.
Section VIII – Handling and Storage

7.1 Handling
Provide sufficient ventilation in the working area and local exhaust at processing machines (particularly at vent, nozzle and ejected melt).
Prevent dust formation during re-granulation and machining of finished parts. Provide sufficient exhaust of dust.

7.2 Storage
Keep container closed. Store in cool, dry, sufficient ventilated area. Protect from direct sunlight.
Protection against fire and explosion: Take measures against accumulation of static charges

7.3 Intended use
Not applicable

Section VIII - Exposure Controls / Personal Protection

8.1 Exposure limits
During processing the following exposure limits are to observe:
- ε-Caprolactam (CAS-No. 105-60-2)
AGW-value (TRGS 900, dust and vapour): 5 mg/m³ (respirable amount)
Maximum value limit / exceeding factor: 2 (I)
Remarks: Y (no foetus impairing effects to be expected if AGW is not exceeded)
In connection with dust formed in consequence of mechanical treatment, e.g. grinding, the appropriate regulation/maxima for fine dust must be observed:
TRGS 900 (general dust limit, Maximum value limit / exceeding factor) 2(II)
TRGS 900 (general dust limit, respirable amount) 10 mg/m³
TRGS 900 (general dust limit, alveolar penetrating amount) 3 mg/m³

8.2 Exposure controls
The usual safety precautions for handling of chemicals and the general hygienic measures are to observe.
Personal protective equipment:
Wear protective gloves (material: e.g. leather) and eye protection. In case of insufficient exhaust or dust formation use respiratory protection / dust protection mask. Avoid inhaling vapour. Avoid inhaling dust.
Section VIII - Physical and Chemical Properties

9.1 General information
Form: solid (granules)
Colour: colourless or depending on colouration
Odour: odourless

9.2 Important information for health and environmental protection as well as for safety
Melting point / melting range of the polymer: approx. 220 - 225 °C
Flash-ignition temperature: FIT > 400 °C
Self-ignition temperature: SIT > 450 °C
Explosive properties: not applicable
Vapour pressure: not applicable
Density at 20°C: depending on quantity and kind of filler
Solubility in water: insoluble
pH-Value: not applicable
Viscosity: not applicable

9.3 Further information
none

Section X - Stability and Reactivity

10.1 Conditions to avoid
Temperatures above degradation temperature. High dust concentration. Accumulation of static charges.
Thermal decomposition: Begin at > 300 °C. No decom position if handled as recommended.

10.2 Substances to avoid
Dangerous reactions: No hazardous reactions observed.

10.3 Hazardous decomposition products
Thermal decomposition, smouldering or incomplete combustion as taking place by overheating during improperly processing or by burning leads to the formation of toxic gas mixtures consisting mainly of CO, and CO₂.
Also may be formed: Nitrogen oxides, amines, nitriles, aliphatic and aromatic hydrocarbons, aldehydes, ε-caprolactam, ammonia and hydrogen cyanide and in a small amount ketones and acids.
Section XI - Toxicological Information
In our experience and according to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations and the usual hygienic measures are observed.
Under the recommended processing conditions small amounts of water, ε-caprolactam, carbon dioxide, carbon monoxide, ketones and acids, as well as in very small amounts aldehyde, benzene and pyridine may be emitted.
By adequate ventilation and/or local exhaust systems at the workplace it is to ensure that the exposure limits are not exceeded (see also pt. 8).

Section XII - Ecological Information
Test for ecotoxicity have not been performed. In our experience and according to information available to us the product has no environmental detrimental properties if it is handled and disposed according to the given recommendations.
The product is not biological degradable. On the basis of insolubility in water the material is not mobile in the environment and has no potential for bioaccumulation. A separation from water / wastewater is reached through each filtration or sedimentation process.

Section XIII- Disposal Considerations
The product is suitable for recycling - check recycling possibilities. Disposal at appropriate landfill / refuse dump or appropriate incineration plant in accordance with local regulations.
Disposal Code No. for unused product:
Europe (EWC): 070213 (plastic waste)

Section XIV - Transport Information
Not classified as hazardous under transport regulations. Keep dry.
Section XV - Regulatory Information
No labelling required in accordance with the German "Gefahrstoffverordnung" and corresponding EC directives.
Water pollution class (WGK): not hazardous to water (VwVwS 17.05.99 / self classification)
WGK = Classification in accordance with the German Water Resources Act.

Section XVI - Other Information
The information submitted in this safety data sheet is based on our current knowledge and is intended to describe our products from the point of view of safety requirements. It should not be construed as guaranteeing specific properties.
MATERIAL SAFETY DATA SHEET

Diamond X BLADE-SB10NR

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Emergency Telephone Number: 800-447-4248
Address: 7525 North Oak Park Avenue
Niles, IL 60714

Date Prepared: 08/18/2009

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE DESCRIPTION</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body material (Steel)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Diamond</td>
<td>7782-40-3</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

**INHALATION ACUTE EXPOSURE EFFECTS**
Dust may be slightly irritating to eyes and respiratory tract at high concentrations

**INHALATION CHRONIC EXPOSURE EFFECTS**
May affect breathing capacity.

**SKIN CONTACT ACUTE EXPOSURE EFFECTS**
Some may experience skin irritation from dust.

**EYE CONTACT ACUTE EXPOSURE EFFECTS**
Dust may irritate eyes.

**INGESTION ACUTE EXPOSURE EFFECTS**
No known adverse effects, but ingestion not recommended
CARCINOGENICITY
Contains a chemical or chemicals which can cause cancer.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS#</th>
<th>Class Description</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>Group 2B</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>Anticipated human carcinogen</td>
<td>National Toxicology Program Carcinogens</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

INHALATION
Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

SKIN CONTACT
Wash affected areas with soap and water. Obtain medical assistance, if needed.

EYE CONTACT
Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

INGESTION
Obtain medical assistance.

SECTION 5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES
Not Applicable

HAZARDOUS PRODUCTS/COMBUSTION
None.

FIRE AND EXPLOSION HAZARDS
None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Follow Normal clean up procedures.

SECTION 7. HANDLING AND STORAGE

Handling precautions:
1. The grinding wheel should be mounted with the arrow pointing in the direction of rotation.
2. Never work without safety equipments.
3. Never hold the material being grind in your hand, or secure it using with your leg or foot during grinding or sawing.
4. Keep a safe distance between operators and materials being grind during grinding.
5. Make sure that you are using the proper grind wheel specification for the material being grind.

Storage conditions: Keep away from humidity and excessive heat to prevent the grinding wheel from getting rusty and thermal shocks which may mechanically weaken products and create a safety risk when it’s used.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
For safe grinding, keep an instruction to work and national or local regulations

Ventilation system: recommended.
Hand protection: protective gloves.
Skin protection: protective clothing.
Eye protection: safety goggles.
Dust protection: dust mask.
Ear protection: ear protector.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR.
Solid article. Odorless.
GENERAL PHYSICAL FORM
Solid.

SECTION 10. STABILITY AND REACTIVITY

BSL Grinding wheel is chemically stable under normal temperature and pressure.

Conditions to avoid: Keep away from humidity and excessive heat.
Materials to avoid: Strong acids and oxidizing agents.
Hazardous decomposition products: None.

SECTION 11. TOXICOLOGICAL INFORMATION

LD50/LC50
Values are not appropriate or available.

SECTION 12. ECOLOGICAL INFORMATION

Products have no ecological effects when it’s used or stored, but it’s not recommended to release worn products into the environment without any proper treatment after its tool-life ends.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

SECTION 14. TRANSPORT INFORMATION

No specific regulations for transportation are required. Make sure to protect products from damage during transportation.

SECTION 15. REGULATORY INFORMATION

National or local regulations product

SECTION 16. OTHER INFORMATION

DISCLAIMER
The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, the Company makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.
MATERIAL SAFETY DATA SHEET

Diamond X GRINDING WHEEL (BSL)

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS

Emergency Telephone Number: 800-447-4248

Address: 7525 North Oak Park Avenue

Telephone Number for Information: 800-447-4248

Niles, IL 60714

Date Prepared: 06/13/2007

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE DESCRIPTION</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body material (Steel)</td>
<td>Unknown</td>
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<td>Nickel</td>
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<td>Chromium</td>
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May affect breathing capacity.

SKIN CONTACT ACUTE EXPOSURE EFFECTS
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EYE CONTACT ACUTE EXPOSURE EFFECTS
Dust may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS
No known adverse effects, but ingestion not recommended
CARCINOGENICITY
Contains a chemical or chemicals which can cause cancer.

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<thead>
<tr>
<th>Ingredient</th>
<th>CAS#</th>
<th>Class Description</th>
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<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>Group 2B</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>Anticipated human carcinogen</td>
<td>National Toxicology Program Carcinogens</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

INHALATION
Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

SKIN CONTACT
Wash affected areas with soap and water. Obtain medical assistance, if needed.

EYE CONTACT
Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

INGESTION
Obtain medical assistance.

SECTION 5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES
Not Applicable

HAZARDOUS PRODUCTS/COMBUSTION
None.

FIRE AND EXPLOSION HAZARDS
None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Follow Normal clean up procedures.

SECTION 7. HANDLING AND STORAGE

Handling precautions:
1. The grinding wheel should be mounted with the arrow pointing in the direction of rotation.
2. Never work without safety equipments.
3. Never hold the material being grind in your hand, or secure it using with your leg or foot during grinding or sawing.
4. Keep a safe distance between operators and materials being grind during grinding.
5. Make sure that you are using the proper grind wheel specification for the material being grind.

Storage conditions: Keep away from humidity and excessive heat to prevent the grinding wheel from getting rusty and thermal shocks which may mechanically weaken products and create a safety risk when it’s used.
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

For safe grinding, keep an instruction to work and national or local regulations

Ventilation system: recommended.
Hand protection: protective gloves.
Skin protection: protective clothing.
Eye protection: safety goggles.
Dust protection: dust mask.
Ear protection: ear protector.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR.
Solid article. Odorless.
GENERAL PHYSICAL FORM
Solid.

SECTION 10. STABILITY AND REACTIVITY

BSL Grinding wheel is chemically stable under normal temperature and pressure.

Conditions to avoid: Keep away from humidity and excessive heat.
Materials to avoid: Strong acids and oxidizing agents.
Hazardous decomposition products: None.

SECTION 11. TOXICOLOGICAL INFORMATION

LD50/LC50
Values are not appropriate or available.

SECTION 12. ECOLOGICAL INFORMATION

Products have no ecological effects when it’s used or stored, but it’s not recommended to release worn products into the environment without any proper treatment after its tool-life ends.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

SECTION 14. TRANSPORT INFORMATION

No specific regulations for transportation are required. Make sure to protect products from damage during transportation.

SECTION 15. REGULATORY INFORMATION

National or local regulations product

SECTION 16. OTHER INFORMATION
DISCLAIMER
The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, the Company makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.
MATERIAL SAFETY DATA SHEET

RESIN BONDED ABRASIVES

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Emergency Telephone Number: +972-6-6507216
Address: KIBBUTZ SARID, ISRAEL, 30099
Telephone Number for Information: +972-6-6507400

Date Prepared: January 1, 2010

Section II - Composition of Components

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>15 MG/M3</td>
<td>10 MG/M3</td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>5 MG/M3</td>
<td>5 MG/M3</td>
</tr>
<tr>
<td>Calcium Oxide</td>
<td>5 MG/M3</td>
<td>2 MG/M3</td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td>10 MG/M3</td>
<td>10 MG/M3</td>
</tr>
<tr>
<td>Fluorides</td>
<td>2.5 MG/M3</td>
<td>2.5 MG/M3</td>
</tr>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>0.1 MG/M3</td>
<td>0.1 MG/M3</td>
</tr>
</tbody>
</table>
Section III - Physical/Chemical Characteristics

Boiling Point: N/A
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR=1): N/A
Specific Gravity (H2O=1): >1
Melting Point: 400-500 degrees fahrenheit
Evaporation Rate: (Butyl Acetate=1): N/A
Appearance and Odor: Solid, no odor

Section IV - Fire and Explosion Hazard Data

Flash Point: N/A
Flammable Limits: 200 degrees
- CLEL: N/A
- UEL: N/A
Extinguishing Media: Water
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Intense heat, dense black smoke

Section V - Reactivity Data

Stability: Stable
Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0
Hazardous Polymerization: Will not occur
Hazardous Byproducts: Grinding dust may produce respiratory hazard
Section VI – Health Hazard Data

Routes of Entry: Inhalation, Skin
Health Hazards (Acute and Chronic): May affect breathing capacity

Signs and Symptoms of Exposure:
- Inhalation: coughing, shortness of breath
- Eye: irritation
- Skin: irritation

Emergency and First Aid Procedures:
- Inhalation overexposure: remove to fresh air and contact physician if needed
- Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
- Eye contact: wash with water, obtain medical assistance if needed
- Ingestion: no known adverse effects, but advisable to obtain medical assistance

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
- Ventilate area and collect material in safe manner.

Water Disposal Method:
- Standard landfill methods with federal, state and local laws.

Precautions to be Taken in Handling and Storing:
- Avoid mechanic damage, handle and store in accordance with ANSI B 7.1
- Inspect wheel prior to mounting.
- Make sure machine speed is compatible to speed of wheel

Other precautions:
- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels
Section VIII - Control Measures

Respiratory Protection:
- Approved dust respirator protection required, see OSHA 29 CFR 1910-134

Ventilation:  Local exhaust required
  Mechanical (general) recommended
  Other: N/A

Protective Gloves:  as desired by operator

Eye Protection:  Required, see OSHA CFR 1910-133

Other Protective Clothing or Equipment:
- If applicable (apron)
  - Face shield recommended
  - Hearing Protection: Where required, see OSHA 29 CFR 1910-134
  - Machine guards
Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Address: 7525 North Oak Park Avenue, Niles, IL 60714

Date Prepared: January 1, 2010

Emergency Telephone Number: 800-447-4248
Telephone Number for Information: 800-447-4248

Product Use: Abrasive Product

NOTE: Non woven abrasives are inert products, which do not cause risks when correctly stored or handled. During the use, in case they are fixed on machine tools, special care has to be taken to protect the users.

During the use most abrasive dust particles come from the abrasive material which is being converted and from the cooling liquid, if any, so that special attention has to be given particularly to the features of the abrasive material and to the cooling agent (if any), providing, where necessary, the right protections and exhausters.

2 COMPOSITION / INFORMATION ON COMPONENTS

2.1 Abrasive material: Corundum (CAS 1344-28-1 contents 20-60%) or silicon carbide (CAS 409-21-2 contents 20-60%)

2.2 Web Backing: Nylon (CAS 32131-17-2 contents 20-60%)

2.3 Adhesive: Polymerized synthetic resin (CAS na, contents 10-50%)
3 HAZARDS

NOT APPLICABLE: According to EEC Regulations converted abrasives are not dangerous products.

4 FIRST HELP

The following advices are basic rules during the use of coated abrasives and have to be completed by the information given in the security sheets of the abrasive material and of the cooling liquid, if any.

4.1 - Eye contact: Avoid exposure. Irrigate immediately and plentifully with water. Immediately consult a physician.

4.2 - Skin contact: Wash the surface with soap and water.

4.3 - Inhalation: Avoid exposure. In case of symptoms remove to fresh air. If symptoms persist consult a physician.

4.4 - Ingestion: In case of ingestion no first help is necessary.

5 FIRE-FIGHTING PROCEDURES

5.1 Suitable fire-fighting equipments.

5.2 Fire-fighting procedure.
   Wear a complete protection outfit: cap with visor and neck protection, self-respirator on pressure or demand, fire-proof jacket and trousers with bands around arms, legs and waist.

6 PROCEDURE IN CASE OF ACCIDENTAL SPILLAGE

NOT APPLICABLE.
7 HANDLING AND STORAGE

Stock at controlled temperature and humidity to prevent from damages causing breakage.

8 CHECK OF EXPOSURE/INDIVIDUAL PROTECTION

NOT APPLICABLE FOR HANDLING AND STORAGE.

During the use refer to the instructions of operating machines, to National Rules and strictly respect the indicated maximum speeds of use.

8.1 Eye protection: Wear security goggles.

8.2 Hand protection: Wear protective gloves.

8.3 Respiratory protection: Use antidust mask.

8.4 Ingestion: Not applicable.

8.5 Hearing protection: Use headsets or equivalents.

8.6 Skin protection: Wear reliable protective clothing.

8.7 Advised ventilation: If necessary, according to the type of treated material, provide for a localized suction during the use.
9 PHYSICAL AND CHEMICAL DATA

9.1 Physical state, colour, odour: Solid abrasive product, odourless.

9.2 pH value: N/A

9.3 Boiling/point/range: N/A

9.4 Melting point/range: Unknown

9.5 Flash point: N/A

9.6 Auto-ignition point: N/A

9.7 Vapour pressure: N/A

9.8 Relative density: Unknown

9.9 Vapour density: N/A

9.10 Volatile organic compounds: N/A

9.11 Evaporation speed: N/A

9.12 Viscosity: N/A
10 STABILITY AND REACTIVITY

10.1 Avoid following conditions: excessive heat or humidity.

10.2 Avoid following materials: strong acids, strong basis and oxiding concentrates can modify the features of the product, particularly the adhesive and create safety risks when the wheels are used on machines.

10.3 Hazardous decomposition products: carbon oxide and dioxide.

10.4 Stability and reactivity: stable. It does not polymerise dangerously.

11 TOXICOLOGY INFORMATION

11.1 Eye contact.
Mechanical irritation of eyes: symptoms can include irritation, reddening, cornea abrasion and watering. Dusts arising from use can cause eyes inflammation.

11.2 Skin contact.
Mechanical skin irritation: symptoms can include itches and erythem.

11.3 Inhalation.
Irritation (upper respiratory section): symptoms can include nose ache and throat ache, cough, sneezing. Dusts arising during use can cause irritation of respiratory system.

11.4 Ingestion.
Ingestion is not a probable way of exposure to this product.

11.5 Other toxicologic information.
Health hazards derive from the material that is grinded.
12 ECOLOGIC INFORMATION

12.1 Motion: When coated abrasives are being used, fragments are easily retained on fixed machines or by way of suitable protections when used on portable machines.

12.2 Persistence and biodegradation property: not biodegradable.

12.3 Potential of bioaccumulation: Not applicable.

12.4 Ecotoxicity data: Information not available. Use according to good working procedure, avoiding to scatter the product in the environment.

13 REMARKS ON WASTE DISPOSAL

National and local laws to be followed.

NOTE: Residues can be accidentally contaminated after use. For waste disposal consider also the material that is grinded.

14 TRANSPORT INFORMATION

14.1 UN number: No regulations.

14.2 ADR/RID Class: No regulations.

14.3 IMO Class: No regulations.

14.4 ICAO Class: No regulations.
15 INFORMATION ON REGULATIONS

EEC regulations: No specific marking is required by EC regulation 88/379 EC:
National or local regulations: refer to relevant documents.

16 OTHER INFORMATION

Information given in this security sheet is based on data available at present and according to our best knowledge regarding the more suitable procedures for product handling under normal conditions. Any other use of the product not according to the information of present sheet or the use of product together with any other product or in any other process fall on the sole responsibility of the user. Laws and regulations have to be strictly followed by users who are responsible for the use of products described on present sheet.
MATERIAL SAFETY DATA SHEET

VITRIFIED BONDED ABRASIVES

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS

Emergency Telephone Number: +972-6-6507216

Address: KIBBUTZ SARID ISRAEL, 30099

Telephone Number for Information: +972-6-6507400

Date Prepared: January 1, 2010

Section II - Composition of Components

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>Common Name</th>
<th>OSHA PEL</th>
<th>ACHIH TLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>Alumina</td>
<td>15 MG/M3</td>
<td>10 MG/M3</td>
</tr>
<tr>
<td>A,94A, PA, 83A, WA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AZ, RA, 91A,32A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td>Carbide</td>
<td>10 MG/M3</td>
<td>10 MG/M3</td>
</tr>
<tr>
<td>72C, 74C, C, GC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>1,7-2,5</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Solid, may give off slight odor in use</td>
</tr>
</tbody>
</table>
Section IV - Fire and Explosion Hazard Data

Flash Point: N/A  
Flammable Limits: N/A

Extinguishing Media: Water
Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None, does not burn or explode

Section V - Reactivity Data

Stability: Stable

Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0

Hazardous Polymerization: Will not occur

Hazardous Byproducts: Grinding dust may produce respiratory hazard

Section VI – Health Hazard Data

Routes of Entry: Inhalation, Skin

Health Hazards (Acute and Chronic): May affect breathing capacity

Signs and Symptoms of Exposure: Inhalation, coughing, shortness of breath
Eye and skin irritation

Emergency and First Aid Procedures:
- Inhalation overexposure: remove to fresh air and contact physician if needed
- Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
- Eye contact: wash with water, obtain medical assistance if needed
- Ingestion: no know adverse effects, but advisable to obtain medical assistance
Section VIII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
- Ventilate area and collect material in safe manner.

Water Disposal Method:
- Standard landfill methods with federal, state and local laws.

Precautions to be Taken in Handling and Storing:
- Avoid mechanic damage, handle and store in accordance with ANSI B 7.1
- Inspect wheel prior to mounting.
- Make sure machine speed is compatible to speed of wheel

Other precautions:
- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels

Section VIII - Control Measures

Respiratory Protection:
- Approved dust respirators required, see OSHA 29 CFR 1910-134

Ventilation: Local exhaust required
  - Mechanical (general) recommended
  - Other: N/A

Protective Gloves: as desired by operator

Eye Protection: Required, see OSHA CFR 1910-133

Other Protective Clothing or Equipment:
- If applicable (apron)
- Hearing Protection: Where required, see OSHA 29 CFR 1910-134
- Face shield
- Machine guards
MATERIAL SAFETY DATA SHEET

EZ STRIP WHEELS – NON-WOVEN SURFACE CONDITIONING

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Emergency Telephone Number: 800-447-4248

Address: 7525 North Oak Park Avenue
Niles, IL 60714

Telephone Number for Information: 800-447-4248

Date Prepared: January 1, 2010

NOTE: Coated abrasives are inert products, which do no cause risks when correctly stored or handled. During the use, in case they are fixed on machine tools, special care has to be taken to protect the users.

During the use most abrasive dust particles come from the abrasive material which is being converted and from the cooling liquid, if any, so that special attention has to be given particularly to the features of the abrasive material and to the cooling agent (if any), providing, where necessary, the right protections and exhausters.

Section II - Composition of Components

Note: all components are non-hazardous

2.1 Abrasive material: Corundum (Al.ox.) or silicon carbide applied on supporting material composed of plastic or nylon filaments through resin.

2.2 Adhesive: Polymerized synthetic resin.

2.3 Bushing: Galvanized sheet iron

2.4 Support: Resin-reinforced layers of fibreglass web
Section III - Physical/Chemical Characteristics
3.1 Physical state, colour, odour: Solid abrasive product, odourless.
3.2 pH value: N/A
3.3 Boiling/ point/range: N/A
3.4 Melting point/range: Unknown
3.5 Flash point: N/A
3.6 Auto-ignition point: N/A
3.7 Vapour pressure: N/A
3.8 Relative density: Unknown
3.9 Vapour density: N/A
3.10 Volatile organic compounds: N/A
3.11 Evaporation speed: N/A
3.12 Viscosity: N/A

Section IV - Fire and Explosion Hazard Data
4.1 Suitable fire-fighting equipments.
4.2 Fire-fighting procedure.
Wear a complete protection outfit: helmet with visor and neck protection, pressure
respirator or self-contained breathing apparatus, fireproof trousers and jacket with strips
around arms, legs and waist.

Section V - Reactivity Data
5.1 Conditions to be avoided: Excessive heat or humidity
5.2 Materials to be avoided: strong acids, strong bases and concentrated oxidising materials can
modify product’s characteristics, particularly those of the adhesive and can
cause security problems when the wheels are used on machines.
5.3 Hazardous decomposition products: Carbonic oxide and carbonic anhydride.
5.4 Stability and Reactivity: Stable. It does not dangerously polymerize.
Section VI – Health Hazard Data

TOXICOLOGY INFORMATION

6.1 Eye contact.
Mechanical irritation of eyes: symptoms can include irritation, reddening, cornea abrasion and watering. Dusts arising from use can cause eyes inflammation.

6.2 Skin contact.
Mechanical skin irritation: symptoms can include itches and erythem.

6.3 Inhalation.
Irritation (upper respiratory section): symptoms can include nose ache and throat ache, cough, sneezing. Dusts arising during use can cause irritation of respiratory system.

6.4 Ingestion.
Ingestion is not a probable way of exposure to this product.

6.5 Other toxicologic information.
Health hazards derive from the material that is ground.

FIRST AID PROCEDURES

The following advices are basic rules during the use of coated abrasives and have to be completed by the information given in the security sheets of the abrasive material and of the cooling liquid, if any.

6.1A - Eye contact: Avoid exposure. Irrigate immediately and plentifully with water. Immediately consult a physician.

6.2B - Skin contact: Wash the surface with soap and water.

6.3C - Inhalation: Avoid exposure. In case of symptoms remove to fresh air. If symptoms persist consult a physician.

6.4D - Ingestion: In case of ingestion no first help is necessary.
Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
- NOT APPLICABLE

STORAGE:
Store at controlled temperature and humidity to avoid damages causing risks of breakage.

Section VIII - Control Measures
NOT APPLICABLE FOR HANDLING AND STORAGE.
During the use refer to the instructions of operating machines, to National Rules and strictly respect the indicated maximum speeds of use.
8.1 Eye protection: Wear security goggles.
8.2 Hand protection: Wear protective gloves.
8.3 Respiratory protection: Use antidust mask.
8.4 Ingestion: Not applicable.
8.5 Hearing protection: Use headsets or equivalents.
8.6 Skin protection: Wear reliable protective clothing.
8.7 Advised ventilation: If necessary, according to the type of treated material, provide for a localized suction during the use.

Section VIII. ECOLOGIC INFORMATION
9.1 Motion: When coated abrasives are being used, fragments are easily retained on fixed machines or by way of suitable protections when used on portable machines.
9.2 Persistence and biodegradation property: not biodegradable.
9.3 Potential of bioaccumulation: Not applicable.
9.4 Ecotoxicity data: Information not available. Use according to good working procedures, avoiding to scatter the product in the environment.

Section X. REMARKS ON WASTE DISPOSAL
National and local laws to be followed.

Note: Residues can be accidentally contaminated after use. For waste disposal consider also the material that is being ground.
Section XI. TRANSPORT INFORMATION
11.1 UN number: No regulations.
11.2 ADR/RID Class: No regulations.
11.3 IMO Class: No regulations.
11.4 ICAO Class: No regulations.

Section XII. INFORMATION ON REGULATIONS
EEC regulations: No specific marking is required by EC regulation 88/379 EC:
National or local regulations: refer to relevant documents.

Section XIII. OTHER INFORMATION
Information given in this security sheet is based on data available at present and according to
our best knowledge regarding the more suitable procedures for product handling under normal
conditions. Any other use of the product not according to the information of present sheet or
the use of product together with any other product or in any other process fall on the sole
responsibility of the user. Laws and regulations have to be strictly followed by users who are
responsible for the use of products described on present sheet.
MATERIAL SAFETY DATA SHEET

CONVOLUTE WHEELS

Section I - Company Information

Manufacturers Name: CAMEL GRINDING WHEELS
Address: 7525 North Oak Park Avenue, Niles, IL 60714
Date Prepared: January 1, 2010

Emergency Telephone Number: 800-447-4248
Telephone Number for Information: 800-447-4248

Product Use: Abrasive Product

Section 2 - Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>% by Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cured Adhesive</td>
<td>None</td>
<td>20-50</td>
</tr>
<tr>
<td>Silicon Carbide Mineral</td>
<td>409-21-2</td>
<td>0 – 50</td>
</tr>
<tr>
<td>Corundum</td>
<td>1344-28-1</td>
<td>0 – 50</td>
</tr>
<tr>
<td>Nylon Fiber</td>
<td>32131-17-2</td>
<td>10 – 25</td>
</tr>
<tr>
<td>Fiber Core</td>
<td>None</td>
<td>2 – 8</td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>60676-86-0</td>
<td>0 – 8</td>
</tr>
<tr>
<td>Filler</td>
<td>Mixture</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Lubricant</td>
<td>1592-23-0</td>
<td>0 - 3</td>
</tr>
</tbody>
</table>
Section 3 – Hazards Identification

3.1 Emergency Overview
Odor, Color, Grade: Solid abrasive product
General Physical Form: Solid

3.2 Potential Health Effects
  Eye Contact: Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion. Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
  Skin Contact: Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.
  Inhalation: Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Prolonged or repeated exposure may cause: Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.
  Ingestion: Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

SECTION 4 FIRST AID MEASURES

4.1 FIRST AID PROCEDURES The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.
  Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
  Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.
  Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.
  If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.
SECTION 5  FIRE-FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES
- Autoignition temperature: Not Applicable
- Flash Point: Not Applicable
- Flammable Limits - LEL: Not Applicable
- Flammable Limits - UEL: Not Applicable

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

5.3 PROTECTION OF FIRE FIGHTERS
Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).
Unusual Fire and Explosion Hazards: Not applicable. None inherent in this product.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6  ACCIDENTAL RELEASE PROCEDURE

Accidental Release Measures: Not applicable.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.
SECTION 7  HANDLING AND STORAGE

7.1 HANDLING
Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial or professional use only. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use. Replace if damaged. Always wear eye and face protection when working at sanding or grinding operations or when near such operations. Sparks and particles flying from the product during sanding or grinding can cause injury and fire.

7.2 STORAGE
Store in a cool, dry place.

SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS
Use with appropriate local exhaust ventilation. Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)
8.2.1 Eye/Face Protection Avoid eye contact. To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations. Avoid skin contact. Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

8.2.3 Respiratory Protection Avoid breathing of dust created by sanding, grinding or machining. Assess exposure concentrations of all materials involved in the work process. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure.

8.2.4 Prevention of Swallowing Wash hands after handling and before eating. Not an expected route of exposure.
8.3 EXPOSURE GUIDELINES

Ingredient Authority Type Limit Additional Information

SILICON CARBIDE MINERAL ACGIH TWA,
  as fibrous forms, including whiskers 0.1 fiber/cc Table A2
  as non-fibrous, respirable 3 mg/m3
  as non-fibrous, inhalable fraction 10 mg/m3

SILICON CARBIDE MINERAL OSHA TWA,
  respirable 5 mg/m3 Table Z-1
  Vacated, as dust 10 mg/m3
  as total dust 15 mg/m3 Table Z-1

CORUNDUM  ACGIH TWA, particulate matter, < 1% crystalline silica 10 mg/m3 Table A4
CORUNDUM  CMRG TWA 1 fiber/cc
CORUNDUM  OSHA TWA,
  respirable 5 mg/m3 Table Z-1
  vacated, as dust 10 mg/m3
  as total dust 15 mg/m3 Table Z-1

VAC Vacated PEL: Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)
SECTION 9   PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade: Solid abrasive product  
General Physical Form: Solid  
Autoignition temperature Not Applicable  
Flash Point Not Applicable  
Flammable Limits - LEL Not Applicable  
Flammable Limits - UEL Not Applicable  
Boiling point Not Applicable  
Vapor Density Not Applicable  
Vapor Pressure Not Applicable  
Specific Gravity Not Applicable  
pH Not Applicable  
Melting point Not Applicable  
Solubility In Water Not Applicable

SECTION 10   STABILITY AND REACTIVITY

Stability: Stable.  
Materials and Conditions to Avoid: Not Applicable  
Hazardous Polymerization: Hazardous polymerization will not occur.  
Hazardous Decomposition or By-Products  
Substance Condition  
Carbon monoxide During Combustion  
Carbon dioxide During Combustion  
Hazardous Decomposition: Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.
SECTION 11   TOXICOLOGY INFORMATION

11.1 Eye contact .
Mechanical irritation of eyes: symptoms can include irritation, reddening, cornea abrasion and watering. Dusts arising from use can cause eyes inflammation.

11.2 Skin contact.
Mechanical skin irritation: symptoms can include itches and erythem.

11.3 Inhalation.
Irritation (upper respiratory section ): symptoms can include nose ache and throat ache, cough , sneezing. Dusts arising during use can cause irritation of respiratory system.

11.4 Ingestion.
Ingestion is not a probable way of exposure to this product .

11.5 Other toxicologic information .
Health hazards derive from the material that is grinded.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
Not determined.

CHEMICAL FATE INFORMATION
Not determined.
SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: The substrate that was abraded must be considered as a factor in the disposal method for this product.

Dispose of waste product in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14 TRANSPORT INFORMATION

14.1 UN number: No regulations.
14.2 ADR/RID Class: No regulations.
14.3 IMO Class: No regulations.
14.4 ICAO Class: No regulations.

SECTION 15 INFORMATION ON REGULATIONS

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SECTION 16  OTHER INFORMATION

NFPA Hazard Classification
Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: None

Hazard  0=Minimal  1=Slight  2=Moderate  3=Severe hazard  4=Extreme hazard

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies.

Information given in this security sheet is based on data available at present and according to our best knowledge regarding the more suitable procedures for product handling under normal conditions. Any other use of the product not according to the information of present sheet or the use of product together with any other product or in any other process fall on the sole responsibility of the user. Laws and regulations have to be strictly followed by users who are responsible for the use of products described on present sheet.

NOTE: Non woven abrasives are inert products, which do not cause risks when correctly stored or handled. During the use, in case they are fixed on machine tools, special care has to be taken to protect the users. During the use most abrasive dust particles come from the abrasive material which is being converted and from the cooling liquid, if any, so that special attention has to be given particularly to the features of the abrasive material and to the cooling agent (if any), providing, where necessary, the right protections and exhausters.
# Felt/Wool Buffing Discs

## Section I - Company Information

<table>
<thead>
<tr>
<th>Manufacturers Name:</th>
<th>CAMEL GRINDING WHEELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Emergency Telephone Number: 800-447-4248</td>
</tr>
<tr>
<td>Address:</td>
<td>Telephone Number for Information: 800-447-4248</td>
</tr>
<tr>
<td>7525 North Oak Park Avenue Niles, IL 60714</td>
<td></td>
</tr>
</tbody>
</table>

**Date Prepared:** January 1, 2013

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>40sg White Wool Felt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses:</td>
<td>Industrial &amp; Technical</td>
</tr>
<tr>
<td>Composition:</td>
<td>Wool &amp; Synthetic Blend</td>
</tr>
<tr>
<td>Physical &amp; Chemical Properties:</td>
<td>Mixture of Wool and Synthetic Fibres</td>
</tr>
<tr>
<td>Health Hazards:</td>
<td>Non Hazardous</td>
</tr>
<tr>
<td>Fire Hazards:</td>
<td>Does not Constitute Fire Hazard</td>
</tr>
<tr>
<td>Storage Precautions:</td>
<td>Keep Dry</td>
</tr>
<tr>
<td>Transport Precautions:</td>
<td>Keep Dry</td>
</tr>
<tr>
<td>Handling/Use Precautions: (Including advice in personal protective equipment)</td>
<td>Not Normally Required</td>
</tr>
<tr>
<td>Disposal Precautions:</td>
<td>Landfill or Incineration</td>
</tr>
<tr>
<td>Emergency Action:</td>
<td>Fire, Spillage, First Aid</td>
</tr>
</tbody>
</table>

**Additional Information:** None

**Ecological Hazards:**

**Relevant Regulations:** Advise to Occupational Medical Officers
PRODUCT IDENTIFY / TRADE NAME:

Coated abrasive Resin over resin Polycotton/cotton cloth material ZC721X and ZC421X product code flap disc product

PRODUCT USE : Grinding for metals, stainless steels, metal alloys

MANUFACTURER : CGW-Camel Grinding Wheels
7525 North Oak Park Avenue
Niles, IL  60714, USA

www.cgwcamel.com

PHONE : 847-647-5994

FAX : 847-647-1861

2-COMPOSITION / INFORMATION ON INGREDIENTS

The product contains the following ingredients which are classified according to 67/548/EC and 99/45/EC.
3-HAZARDS IDENTIFICATION

According to EC Directive Nr. 1999/45/EC, coated abrasives are not dangerous products.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>% By Weight</th>
<th>C.A.S. #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
<th>Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>3-6</td>
<td>1344-28-1</td>
<td>15mg/m3</td>
<td>10 mg/m3</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>8-16</td>
<td>1314-23-4</td>
<td>5mg/m3</td>
<td>5 mg/m3</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>Cotton Cloth</td>
<td>10-20</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>cured phenolic resin</td>
<td>12-24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cured Epoxy Resin</td>
<td>10-20</td>
<td>68609-97-2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>Fiberglass Backing</td>
<td>20-20</td>
<td>65997-17-3</td>
<td>15mg/m3</td>
<td>10 mg/m3</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>Plastic or Aluminum Backing</td>
<td>25-35</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>No</td>
</tr>
</tbody>
</table>

4-FIRST AID MEASURES

Only applicable when coated abrasives are in use on machines during grinding operation. The following recommendations are basic rules during use of coated abrasives and have to be completed by the information given in the safety data sheets of the material and of the cooling liquid, if any used.

**Skin contact:** No hazardous effect known. Wash dust from skin with soap and water. **Eye contact:** Flush eyes with clean water, holding open eyelids. If irritation persists, get medical assistance. **Dust inhalation:** If overexposed to dust, remove victim to fresh air and get medical assistance.

**Ingestion:** If sanding dust is swallowed, get medical assistance if needed.

**Flammability:** When exposed to direct flame, combustion occur. Backings and cured resin will burn and/or decompose, use respiratory protection.

**Flammable limits:** LEL: N/A UEL: N/A **Flash point:** Non-combustible. **Extinguishing media:** water, carbon dioxide, dry chemical, foam, sand can be used if appropriate to surrounding fire conditions. **Unusual fire and explosion hazards:** N/A

**Hazardous thermal:**

Decomposition products may include the following materials: decomposition products carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
Special protective: Fire-fighters should wear appropriate protective equipment and self-contained breathing equipment for fire-fighters apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6-ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Put on appropriate personal protective equipment.

**Environmental precautions:**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up:**
Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

**Recommended work practices:**
Use in adequate ventilated areas. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking. Store in dry location, at controlled temperature and humidity conditions. (18-22°C and 45-65% humidity) For additional work practice requirements refer to FEPA Safety Leaflets for the use of cloth abrasives.

8-PERSONAL PROTECTION

During use, refer to the instructions of operating machines and to National rules and respect the recommended maximum speed of use. Refer to FEPA Safety leaflets: “General” and “portable” for coated abrasives. The following personal protective equipment should be used dependent on the operation and the material being ground:

**Eye protection:** Machine guarding and wear safety goggles of face shield.

**Hand protection:** Wear protective, cloth or leather gloves.

**Ear protection:** Use ear muffs.

**Respiratory protection:** Use anti dust mask.

**Skin protection:** Wear reliable protective clothing.

**Advised ventilation:** If necessary, use local exhaust or general ventilation to minimize exposure to dust.
10-STABILITY AND REACTIVITY
Coated abrasives are stable and non reactive when handled or stored.

Conditions to avoid : Not applicable. Materials to avoid : Strong acids and bases ,concentrated strong oxidizing agents can modify product’s characteristics, particularly those of the resin and can cause safety problems when used on machines. Hazardous decomposition products : When used in accordance with instructions  no hazardous decomposition products are created. Stability : The product is stable. Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur. Conditions to avoid : None known. Hazardous decomposition : Dust from grinding could contain ingredients listed in Section 2 and other, potentially more products hazardous components of the base material being ground or coatings applied to the base material.

11-TOXICOLOGICAL INFORMATION
Calcium Carbonate Rat 6450 mg/kg LD50 Oral Cryolite Rat >5 gm/kg LD50 Oral Inhalation : Breathing dust generated during grinding may cause respiratory irritation. Ingestion : No known significant effects or critical hazards. Skin : Prolonged contact with dust from product may cause irritation. Eyes : Dust generated during grinding may irritate eyes.

During handling and storing not applicable. Dusts arising from use can cause eye inflammation, irritation of respiratory system. When properly used, cloth abrasives have no health hazards. Coated abrasives are not acutely toxic products.

Environmental effects : No known significant effects or critical hazards. Aquatic ecotoxicity Product/ingredient name Species Exposure Result
Calcium Carbonate Fish 96 hours Acute LC50 >56000000 ug/L

Cryolite Crustaceans 48 hours Acute EC50 156 mg/l Fish 96 hours Acute LC50 47 mg/l Algae 72 hours Chronic LC50 240 mg/l

**Persistence and biodegradation property:** Not biodegradable. **Potential of bioaccumulation:** Not applicable. **Ecotoxicity data:** Specific information not available

13-DISPOSAL INFORMATION

**Product**
Follow national and regional regulations;

Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) is possible if no hazardous materials are add to the abrasives. (EWC – Nr. 120120) Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

**Packing**
Follow national and regional regulations.

14-TRANSPORT INFORMATION

Cloth abrasives are not hazardous products. The product is not covered by international regulation on the transport of dangerous goods.

15-REGULATORY INFORMATION

**EC Regulations:** No specific marking is required by EC regulation 1999/45/ EC. **National or local regulations:** Refer to relevant documents.

16-OTHER INFORMATION

Information given in this Material Safety Data Sheet is based on data available currently and written according to our knowledge for product handling under normal conditions. Since the use of this information and the conditions of use of this product are not within the control of Inter Abrasiv Inc., users who are responsible for the use of coated abrasives must strictly follow the laws and regulations
## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**PRODUCT NAME:** GREEN GRIND GRINDING WHEEL  
**COMPANY NAME:** CGW-Camel Grinding Wheels, 7525 N Oak Pak Ave., Niles, IL 60714  
**DATE PREPARED:** Sept. 2012

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance</th>
<th>Description</th>
<th>Percent</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>58.0%</td>
<td>15mg/m³</td>
<td>10mg/m³ dust</td>
<td>1344-28-1</td>
<td></td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>11.0%</td>
<td>5mg/m³</td>
<td>5mg/m³</td>
<td>1314-23-4</td>
<td></td>
</tr>
<tr>
<td>Chrome Oxide</td>
<td>2.0%</td>
<td>0.5mg/m³</td>
<td>0.5mg/m³</td>
<td>1308-38-9</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The grinding wheel may be comprised of 1 or more of the above abrasives. The chemicals listed below may be part of the bonding system.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Description</th>
<th>Percent</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>0.3%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Alkali</td>
<td>3.0%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Others **</td>
<td>4.0%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Phenolic Abrasive Binder **</td>
<td>21.7%</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Note:** Substance is a compound and/or mixture

The product itself does not create any dioxin caused by: Explosion/Ignition/Inflammability/Spontaneous combustion/Heat generated due to water Oxidation/Acute toxicity/Corrosion.

## SECTION 3. HAZARDS IDENTIFICATION

**INHALATION ACUTE EXPOSURE EFFECTS**
During grinding – Coughing, shortness of breath

**EYE CONTACT ACUTE EXPOSURE EFFECTS**
During grinding – Dusts may irritate eyes.

**SKIN CONTACT ACUTE EXPOSURE EFFECTS**
During grinding – Some may experience skin irritation from dust.

**INGESTION ACUTE EXPOSURE EFFECTS**
No known adverse effects.

## SECTION 4. FIRST AID MEASURES

**INHALATION**
Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

**SKIN CONTACT**
Wash affected areas with soap and water. Obtain medical assistance, if needed.
EYE CONTACT
Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

INGESTION
Call poison control center, hospital emergency room or physician immediately.

MATERIAL SAFETY DATA SHEET

PRODUCT: Green Grind Grinding Wheel

SECTION 5. HANDLING AND STORAGE

HANDLING
Visually inspect all wheels before mounting, use proper flanges, and check machine speed against the established maximum safe operating speed marked on the wheel. Always use a safety guard covering at least one-half of the grinding wheels, and allow the wheel to run at operating speed for at least one minute before grinding.

STORAGE
Abrasive wheels must be protected while awaiting use. Wheels should not be exposed to extreme temperatures, humidity, water or solvents.

SECTION 6. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION
Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at the source.

RESPIRATORY PROTECTION
Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CRF 1910.134) and, if necessary, wear a MSHA/NIOSH approved respirator.

EYE PROTECTION
Wear protective eyeglasses, per OSHA eye and face protection regulations (29 CRF 1910.133). Contact lenses are not eye protective devices.

OTHER PROTECTION
Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CRF 1910.95 and other applicable regulations).

SECTION 7. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR
Solid, various green color. May give off a slight odor when grinding.

SECTION 8. STABILITY AND REACTIVITY

INCOMPATIBILITY
N/A

DECOMPOSITION
In use, dust and decomposing odors may be generated.

SECTION 9. TOXICOLOGICAL INFORMATION

INHALATION CHRONIC EXPOSURE EFFECTS
SECTION 10. ECOLOGICAL INFORMATION

CHEMICAL FATE
Bonded abrasive wheels do not appreciably decay.

SECTION 11. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Use standard landfill methods consistent with applicable Federal, State, and local laws.

SECTION 12. TRANSPORT INFORMATION

HAZARD CLASS
This product is not hazardous as defined by the Department of Transportation. (USA)

SECTION 13. REGULATORY INFORMATION

SARA Title III Section 313: This product does not contain regulated levels of any toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

PROPOSITION 65
Substances compound(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the ASafe Drinking Water and Toxic Enforcement Act of 1986".
Formaldehyde CAS# 50-00-0 trace

SECTION 14. OTHER INFORMATION

Information given in this security sheet is based on data available at present and according to our best knowledge regarding the more suitable procedures for product handling under normal conditions. Any other use of the product not according to the information of present sheet or the use of product together with any other product or in any other process fall on the sole responsibility of the user. Laws and regulations have to be strictly followed by users who are responsible for the use of products described on present sheet.
1. INGREDIENTS & CHEMICAL IDENTITY

<table>
<thead>
<tr>
<th>(COMMON NAME):</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMIT</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Nylon</td>
<td>63428-83-1</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>5-25%</td>
</tr>
<tr>
<td>* Aluminum Oxide (Alumina)</td>
<td>1344-28-1</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td>NONE</td>
<td>40-65%</td>
</tr>
<tr>
<td>* Silicon Carbide (Crystolon)</td>
<td>409-21-2</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td>NONE</td>
<td>40-65%</td>
</tr>
<tr>
<td>* Phenol Formaldehyde (Phenolic Resin)</td>
<td>N/A</td>
<td>NONE</td>
<td>5 PPM</td>
<td>NONE</td>
<td>5-35%</td>
</tr>
<tr>
<td>* Titanium Dioxide</td>
<td>13463-67-7</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
<td>NONE</td>
<td>+ 5%</td>
</tr>
<tr>
<td>* Polyurethane (Resin Cured)</td>
<td>N/A</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>5-35%</td>
</tr>
</tbody>
</table>

2. PHYSICAL & CHEMICAL DATA:

- Boiling Point: N/A
- Specific Gravity (H₂O=1): 2-4
- Vapor Pressure (mm Hg): N/A
- Melting Point: N/A
- Vapor Density (Air-1): N/A
- Evaporation Rate: N/A
- Solubility in Water: Insoluble
- Appearance and Odor: Light or Medium Grey, Brown, or Maroon Colored, Porous solid Non-woven Nylon Fibers Impregnated with Abrasives Particles Bonded together with Cured Polyurethane Resin.

3. FIRE & EXPLOSION HAZARD DATA:

- Flash Point (Method Used): N/A
- Extinguishing Media: Extinguisher/Water
- Flammable Limits: N/A
- Unusual Fire or Explosion Hazards: Does Not
- LEL: N/A
- Burn or Explode
- UEL: N/A
- Special Fire Fighting Precautions: None

4. REACTIVITY & STABILITY

- Stability: Stable
- Materials to Avoid: Avoid Strong Acids and Bases
- Hazardous Decomposition or By Products: Dust Generated when in Use
- Hazardous Polymerization: Will not Occur
5. HEALTH HAZARD DATA - (Signs & Symptoms During Grinding):

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. Wash with Large Amounts of Water. For Dust
Other Potential Risks: Grinding May Create Elevated Sound Levels, which May Affect
Hearing and May Aggravate Pre-existing Respiratory Condition
Emergency and First Aid Procedures: Inhalation, Remove to Fresh Air. Apply Artificial Respiration. Obtain
For Eyes and Skin Wash with Large Amounts of Water. For Dust
First Aid and Seek Medical Assistance, if needed
There is a Limited Information that Crystalline Silica is a Carcinogen

6. PRECAUTIONS FOR STORAGE, SAFE HANDLING & USE PROCEDURES:

Normal Storage and Handling: See ANSI Standard B7.1
Normal Use Handle with Adequate Ventilation. (See OSHA 29CFR 1910.94
(Ventilation) and 29CFR 1910.1000 (Air Contaminates)
Steps to be taken in Case of Leaks or Spills: Ventilate Area. Normal Clean-up Procedures
Waste Disposal Method: Dispose-of in a secured Sanitary Landfill Consistent with
Applicable Federal, State and Local Laws and Regulations
Special Precautions to be taken in Handling and Storage: Store in Dry Area, Away from Heat Source.
Ideal Storage Temperature 65-70°F (18-24°C), 50-60% RH

7. PERSONAL PROTECTION INFORMATION:

Respiratory Protection: Specify Type, as needed. For Approved Dust Respirators,
See OSHA 29CFR 1910.134
Ventilation:
Mechanical (General): Required to Keep Dust Levels Below Permissible Exposure Limits
Local Exhaust: Required to Keep Dust Levels Below Permissible Exposure Limits
Protective Gloves: As Desired by the User
Eye Protection: Recommended - See OSHA 29CFR 1910.133 and ANSI Z87.1
Other Equipment: Hearing Protection, as needed. OSHA 29CFR 1910.95

The information and recommendations set forth herein are taken from sources believed to be
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