MSDS  Phenolic Resin Bonded Cutting and Grinding Discs

Control of substance Hazardous to Health Regulations 1988:  Version 2  Updated 18/02/2020

SECTION 1  NAME AND PRODUCT:

Fibre Glass Phenolic Resin Bonded Abrasives wheels-cutting and grinding discs.

SECTION 2  CHEMICAL COMPOSITION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Chemical Name</th>
<th>%</th>
<th>Typical Content</th>
<th>Ingredient Residual, By-product, Impurity</th>
<th>Comment</th>
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</thead>
<tbody>
<tr>
<td>1344-28-1</td>
<td>ALUMINIUM OXIDE</td>
<td>30</td>
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<tr>
<td>10101-41-4</td>
<td>SILICON CARBIDE</td>
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<tr>
<td>9003-35-4</td>
<td>PHENOLIC RESIN</td>
<td>20</td>
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<tr>
<td>25038-59-9</td>
<td>GLASS FIBRE CLOTH</td>
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<tr>
<td>109-74-0</td>
<td>NBR (Butyl rubber)</td>
<td>3.3</td>
<td></td>
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<tr>
<td>- -</td>
<td>Other Materials</td>
<td>8.7</td>
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<td>Steel Washer</td>
</tr>
</tbody>
</table>

SECTION 3  PHYSICAL AND CHEMICAL DATA

Appearance:  Coloured moulded (yellow-brown, black-brown) solid, slight synthetic resin odour.

Physical State:  Solid with no volatility and sublimation.

Vapor Pressure: kPa (20°C) 20 kilopascals = 2.9007547601444 pounds per square inch.

Volutility:  Non volatile

Ignition Point: No spontaneous ignition.

Flash Point: Flame resistant.

Decomposition Point: -300°C or over (hardened phenol resin product)

Decomposition: 300°C or over (hardened phenol resin product)

Odour:  Slight synthetic resin odour.

PH and its Levels: Solid, not applicable.

Alkali Resistance: Strength degradation is accelerated by alkaline grinding fluid.
SECTION 4  FIRE AND EXPLOSION HAZARD DATA

FLASH Point: N/A  (Method used) Flammable Limits.
Extinguishing Media  Water Spray or Jet, Dry Chemical, Foam, or Carbon Dioxide.
Special firefighting procedures  Avoid inhalation, Wear self-contained breathing appearance.
Explosion potential  None known.

SECTION 5  HEALTH, FIRST AID AND MEDICAL DATA

FIRST AID MEASURES
- Eye Contact: If dust enters the eyes, wash the eyes immediately with clean running water. Do not press or rub them. Seek medical treatment if necessary.
- Skin contact: Wash exposed areas with soap and water after the end of operation.
- Inhalation: In the case of dust inhalation, remove the victim immediately to a place of fresh air. Gargle with water. Seek medical treatment if necessary.
- Ingestion: Drink large amounts of water and induce vomiting. seek medical treatment if necessary.

TOXICOLOGICAL INFORMATION
- Skin Corrosiveness: No finding available.
- Irritability: No finding available.
- Sensitivity: No finding available.
- Acute Toxicity: No finding available.
- Chronic Toxicity: No finding available.
- Mutagenicity: No finding available.
- Reproductive Toxicity: No finding available.
- Teratogenicity: No finding available.
- Others: No finding available.
- Local Effect: No finding available.

Section 6  PERSONAL PROTECTION INFORMATION

1. Respiratory protection: Use approved dust respirators for protection against nuisance dust as stated in the manufactures specifications.

2. Protective Clothing: Recommended: Gloves, eye protection, head and ear protection.

3. Gloves: YES

4. Eye and ear protection: YES

5. Ventilation Requirements: Good local exhaust ventilation is essential for dry grinding and cutting operations. Wear approved dust respirators for protection against nuisance dust.

6. Attention: DO not under any circumstances use abrasive wheels that show signs of damage.
SECTION 7  SPILL OR LEAK PROCEDURES

Steps to be taken in the event in the case of martials being released or spilled.

Normal clean up procedures for inert or nuisance dust.

WASTE DISPOSAL METHOD
Normal waste disposal procedures, for local commercial waste area

SECTION 8  SPECIAL PRECAUTIONS
Precautions to be taken in handling and storing abrasive discs.

Please refer to the HSE publication “Safety in the use of abrasive wheels” covering the PUWER regulations for full details in the essentials of handling and storing of all types of abrasive wheels. It is essential to avoid cracks and breakages and store this product in a clean and dry area.

SUPPLIER 570

FLAT CUTTING WHEELS
FAI10012M  FAI/FULL CUT OFF WHEEL 100MM X 1.2 X 16 METAL
FAI1003M  FAI/FULL CUT OFF WHEEL 100MM X 3.2 X 16 METAL
FAI11512M  FAI/FULL CUT OFF WHEEL 115MM X 1.2 X 2 METAL
FAI1153M  FAI/FULL CUT OFF WHEEL 115MM X 3.2 X 22 METAL
FAI12512M  FAI/FULL CUT OFF WHEEL 125MM X 1.2 X 22 METAL
FAI1253M  FAI/FULL CUT OFF WHEEL 125MM X 3.2 X 22 METAL
FAI1803M  FAI/FULL CUT OFF WHEEL 180MM X 3.2 X 22 METAL
FAI2303M  FAI/FULL CUT OFF WHEEL 230MM X 3.2 X 22 METAL
FAI3003520M  FAI/FULL CUT OFF WHEEL 300MM X 3.5 X 20 METAL
FAI3003522M  FAI/FULL CUT OFF WHEEL 300MM X 3.5 X 22 METAL
FAI3502825M  FAI/FULL CUT OFF WHEEL 355MM X 2.8 X 25 METAL
FAI3503525M  FAI/FULL CUT OFF WHEEL 355MM X 3.5 X 25 METAL
FAI1003S  FAI/FULL CUT OFF WHEEL 100MM X 3.2 X 16 STONE
FAI1153S  FAI/FULL CUT OFF WHEEL 115MM X 3.2 X 22 STONE
FAI1253S  FAI/FULL CUT OFF WHEEL 125MM X 3.2 X 22 STONE
FAI1803S  FAI/FULL CUT OFF WHEEL 180MM X 3.2 X 22 STONE
FAI2303S  FAI/FULL CUT OFF WHEEL 230MM X 3.2 X 22 STONE
FAI3003520S  FAI/FULL CUT OFF WHEEL 300MM X 3.5 X 20 METAL
FAI3003522S  FAI/FULL CUT OFF WHEEL 300MM X 3.5 X 22 METAL
FAI3503525S  FAI/FULL CUT OFF WHEEL 355MM X 3.5 X 25 STONE
FAI10010MUL  FAI/FULL CUT OFF WHEEL 100MM X 1.0 X 16 M/P (10)
FAI11510MUL  FAI/FULL CUT OFF WHEEL 115MM X 1.0 X 22 M/P (10)
FAI12510MUL  FAI/FULL CUT OFF WHEEL 125MM X 1.0 X 22 M/P (10)
FAI10012INOX  FAI/FULL CUT OFF WHEEL 100MM X 1.2 X 16 S/S
FAI11512INOX  FAI/FULL CUT OFF WHEEL 115MM X 1.2 X 22.23 S/S
FAI12512INOX  FAI/FULL CUT OFF WHEEL 125MM X 1.2 X 22.23 S/S
DEPRESSED CENTER CUTTING
FAI1003MDC  FAI/FULL DEP CENTRE CUT DISC 100X3.2X16 METAL
FAI1153MDC  FAI/FULL DEP CENTRE CUT DISC 115X3.2X22 METAL
FAI1253MDC  FAI/FULL DEP CENTRE CUT DISC 125X3.2X22 METAL
FAI1803MDC  FAI/FULL DEP CENTRE CUT DISC 180X3.2X22 METAL
FAI23018MDC FAI/FULL DEP CENTRE CUT DISC 230X1.8X22.23 S/S
FAI2303MDC  FAI/FULL DEP CENTRE CUT DISC 230X3.2X22 METAL
FAI1003SDC  FAI/FULL DEP CENTRE CUT DISC 100X3.2X16 STONE
FAI1153SDC  FAI/FULL DEP CENTRE CUT DISC 115X3.2X22 STONE
FAI1253SDC  FAI/FULL DEP CENTRE CUT DISC 125X3.2X22 STONE
FAI2303SDC  FAI/FULL DEP CENTRE CUT DISC 230X3.2X22 STONE

DEPRESSED CENTER GRINDING
FAI1005MDG  FAI/FULL DEP CENTRE GRIND DISC 100X5X16 METAL
FAI1006MDG  FAI/FULL DEP CENTRE GRIND DISC 100X6.5X16 METAL
FAI1156MDG  FAI/FULL DEP CENTRE GRIND DISC 115X6.5X22 METAL
FAI1256MDG  FAI/FULL DEP CENTRE GRIND DISC 125X6.5X22 METAL
FAI1806MDG  FAI/FULL DEP CENTRE GRIND DISC 180X6.5X22 METAL
FAI2306MDG  FAI/FULL DEP CENTRE GRIND DISC 230X6.5X22 METAL
FAI1006SDG  FAI/FULL DEP CENTRE GRIND DISC 100X6X16 STONE
FAI1156SDG  FAI/FULL DEP CENTRE GRIND DISC 115X6X22 STONE
FAI1256SDG  FAI/FULL DEP CENTRE GRIND DISC 125X6X22 STONE
FAI2306SDG  FAI/FULL DEP CENTRE GRIND DISC 230X6X22 STONE