PRF 9335 FE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: PRF 9335 FE
Product Subcategory: Friction materials for automobile.

1.3. Details of the supplier of the safety data sheet

Company: Roulunds Braking Denmark ApS
Address: Hestehaven 55 - DK-5260
Odense S
Denmark
Web: www.roulunds-braking.dk
Telephone: 00 45 63 134 700
Fax: 00 45 63 134 701
Email: info@roulunds-braking.dk
Email address of the competent person: sds@roulunds-braking.dk

Emergency telephone number: 00 45 63 134 700

SECTION 2: Hazards identification

Properties

Color: ➔ Black/Grey
State: ➔ Solid

Main hazards: No Significant Hazard

SECTION 3: Composition/information on ingredients

Hazardous ingredients

67/548/EEC / 1999/45/EC

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Conc. (%w/w)</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulphate</td>
<td>1 - 10%</td>
<td>7727-43-7</td>
</tr>
<tr>
<td>Graphite (Graphite (all forms</td>
<td>10 - 20%</td>
<td>7782-42-5</td>
</tr>
<tr>
<td>except graphite fibers))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>0 - 0.5%</td>
<td>108-95-2</td>
</tr>
</tbody>
</table>

Description: Contains no free substances that are considered to be hazardous. However, when being worked with mechanically it is possible that a fine dust is formed. Do not breathe dust.

SECTION 4: First aid measures

Description of first aid measures

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**PRF 9335 FE**

### Description of first aid measures

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>Do not breathe dust. Move the exposed person to fresh air.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Dust. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>Wash off immediately with plenty of soap and water.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Dust. Rinse mouth thoroughly. Drink 1 to 2 glasses of water.</td>
</tr>
</tbody>
</table>

### Most important symptoms and effects, both acute and delayed

| Skin contact | May cause irritation to skin.                                               |

### SECTION 5: Firefighting measures

**Extinguishing media**


**Special hazards arising from the substance or mixture**

- Further information. SECTION 10: Stability and reactivity.

### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

- Further information. SECTION 8: Exposure controls/personal protection.

**Methods and material for containment and cleaning up**

- Not applicable.

### SECTION 7: Handling and storage

**Precautions for safe handling**

- Avoid raising dust. Clean the area using a vacuum cleaner.
- Keep away from acids, Bases.
- If mechanically processed provide local dust extraction. Do not use brushes, compressed air or other hazardous agents to clean the brake or brake pads.

**Conditions for safe storage, including any incompatibilities**

- Keep container tightly closed and dry.
- Store in original container.

### SECTION 8: Exposure controls/personal protection

**Control parameters**

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TLV TWA</th>
<th>ACGIH TLV STEL</th>
<th>OSHA PEL 8hr TWA ppm</th>
<th>OSHA PEL 8hr TWA mg m³</th>
<th>Skin Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulphate</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Notations:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA PEL 8hr TWA mg m³: 15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphite (Graphite (all forms except graphite fibers))</td>
<td>2 mg/m³ (R)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Notations:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA PEL 8hr TWA mg m³: 15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>5 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Notations:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA PEL 8hr TWA mg m³: 19</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Exposure controls**

- Further information. SECTION 8: Exposure controls/personal protection.
Exposure controls

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Ensure adequate ventilation of the working area.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye / face protection</td>
<td>Dust. Eye protection.</td>
</tr>
<tr>
<td>Skin protection - Hand protection</td>
<td>Wear suitable gloves. Hand protection dustproof.</td>
</tr>
<tr>
<td>Skin protection - Other</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Do not breathe dust. Use as appropriate: P2 mask.</td>
</tr>
</tbody>
</table>

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>State</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black/Grey</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

Chemical stability

Stable under normal conditions.

Incompatible materials

Avoid contact with: Acids, Bases.

Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No Significant Hazard.

Skin corrosion/irritation

May cause irritation to skin.

11.1.4. Toxicological information

Not determined

SECTION 12: Ecological information

Toxicity

Not determined

SECTION 13: Disposal considerations

Disposal methods

Local and national regulations.

SECTION 14: Transport information

DOT

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

Inventories
### Inventories

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSCA</th>
<th>MA</th>
<th>SARA313</th>
<th>CALPROP65</th>
<th>CWA307</th>
<th>CAA112</th>
<th>CWA311</th>
<th>SARA302</th>
<th>SARA304</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulphate (Sulfuric acid, barium salt (1:1))</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Graphite</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Phenol</td>
<td>Y</td>
<td>Y</td>
<td>Y 1.0</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y 500/10,000</td>
<td>Y 1,000</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 16: Other information

#### Other information

General Guidelines for Brake Service. When changing the brake linings, the content of the friction materials on the vehicle may be unknown, so it is recommended to follow the guidelines given in “Work Practices and Engineering Controls for Brake and Clutch Inspection, Disassembly, Repair and Assembly – Mandatory” (29 CFR 1910.1001, Appendix F).

#### Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.