1. Identification of the product and of the company/undertaking

1.1 Product identifier
541JF all grits (Product information category II)
Aluminium Oxide Cloth (flexible) - light, flexible J-cotton-polyester-mix fabric - aluminium oxide - fully resin bonded

1.2 Use of the product:
Coated abrasives for the grinding/sanding of different kinds of materials.

1.3. Details of the supplier of the voluntary product information:
Company: STARCKE GmbH & Co. KG
Address: Postfach 12 60, 49304 Melle, Germany
Phone: +49 5422/966-0, Fax: +49 5422/966-301, E-mail: sicherheit@starcke.de

1.4. Emergency telephone number
Giftinformationszentrum-Nord (GIZ-Nord), Phone: +49-(0)551-19240

2. Hazards identification

2.1. Classification
Not applicable. Coated abrasives are articles and not dangerous substances or mixtures according to Regulation (EC) N° 1272/2008. See also section 8 and 16.

2.2. Label elements
Coated abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to Regulation (EC) N° 1272/2008.

2.3. Other hazards
Not known.
3. Composition/information on ingredients
The product contains the following ingredients which are classified according to Regulation (EC) N° 1272/2008 or for which a community occupational exposure limit value exists:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC N°</th>
<th>CAS N°</th>
<th>REACH Registration N°</th>
<th>Conc. [%]</th>
<th>Classification acc. to Regulation (EC) N° 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>trisodium hexafluoroaluminate</td>
<td>237-410-6</td>
<td>13775-53-6</td>
<td>01-2119511565-43</td>
<td>3 - 25</td>
<td>STOT RE 1 Acute Tox. 4 Aquatic Chronic 2</td>
</tr>
</tbody>
</table>

(For full text of H-phrases see section 16)

4. First-aid measures
See also section 8 and 16

4.1. Description of first aid measures
Inhalation: Not possible, due to the form of the product.
Eye contact: Not possible, due to the form of the product.
Skin contact: No harmful effects known.
Ingestion: Not likely, due to the form of the product; If necessary contact physician.
Note to physician: Not available.

4.2. Most important symptoms and effects, both acute and delayed
Not known.

4.3. Indication of any immediate medical attention and special treatment needed
Not relevant. Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media
Extinguishing media: water, foam, sand, powder or C0₂ as appropriate for surrounding materials.

5.2. Special hazards arising from the product
Toxic fumes may occur. Use respiratory protective equipment.

5.3. Advice for fire fighters
Extinguishing materials should be selected according to the surrounding area.
6. Accidental release measures
Not applicable

7. Handling and storage
Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

8. Exposure controls/personal protection

8.1. Control parameters
Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly. Occupational exposure limit values and/or biological limit values

Keep exposure to the following components under surveillance. (Observe also the regional official regulations)

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>Substance</th>
<th>EC N°</th>
<th>CAS N°</th>
<th>Occupational limit value</th>
<th>Peak limit</th>
<th>source, remark</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Long term</td>
<td>Short term</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>mg/m³</td>
<td>ml/m³ (ppm)</td>
<td>mg/m³</td>
</tr>
<tr>
<td>IOELV (EU)</td>
<td>trisodium hexafluorozirconate</td>
<td>237-410-6</td>
<td>13775-53-6</td>
<td>2.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

8.2. Exposure controls

8.2.1. Individual protection measures:

8.2.1.1. Respiratory protection: Use respiratory protective equipment (type depends on specific application and material being ground)

8.2.1.2. Hand protection: Wear protective gloves (type depends on specific application and material being ground)

8.2.1.3. Eye protection: Wear protective goggles or face shield (type depends on specific application and material being ground)

8.2.1.4. Hearing protection: Use hearing protection (type depends on specific application and material being ground)

8.2.1.5. Body protection: Use protective clothing (type depends on specific application and material being ground)
9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
9.1.1. Physical state: solid
9.1.2. Colour: blue
9.1.3. Solubility in water: not applicable

9.2. Other information
None.

10. Stability and reactivity

10.1. Reactivity
Coated Abrasives are stable when handled or stored correctly.

10.2. Chemical stability
No decomposition in normal use.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
Coated Abrasives are stable when handled or stored correctly.

10.5. Incompatible materials
No dangerous reactions known.

10.6. Hazardous decomposition products
At temperatures exceeding 250°C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1. Information on toxicological effects
No toxicological effects if inhaled or swallowed or with eye or skin contact are known. See also section 8.

12. Ecological information

12.1. Toxicity
No effects known.

12.2. Persistence and degradability
No biodegradable potentials known.

12.3. Bioaccumulative potential
No potentials known.

12.4. Mobility in soil
No potentials known.
12.5. Results of PBT and vPvB assessment
Not relevant.

12.6. Other adverse effects
No effects known.

13. Disposal considerations

13.1. Waste treatment methods

13.1.1. Product
Follow national and regional regulations.

Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121).

X

Due to the ingredients and properties disposal as hazardous waste (2000/532/EC). (EWC – Nr. 120120)

13.1.2. Packing
Follow national and regional regulations.

14. Transport information
The product is not covered by international regulation on the transport of dangerous goods.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the product
No specific labelling requirements under respective EC directives.

15.2. Chemical safety assessment
Not relevant.

16. Other information
Changes to the previous versions:
See sections 2.1, 2.2, 3 and 16.
<table>
<thead>
<tr>
<th>Literature and data sources:</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACH Regulation (EC) Nr. 1907/2006</td>
</tr>
<tr>
<td>Regulation (EC) Nr° 1272/2008</td>
</tr>
<tr>
<td>Directive 98/24/EC</td>
</tr>
<tr>
<td>Directive 2000/39/EC</td>
</tr>
<tr>
<td>Directive 75/324/EEC</td>
</tr>
<tr>
<td>Decision 2000/532/EC</td>
</tr>
<tr>
<td>Transport regulations according to ADR, RID und IATA.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazard statements referred to in section 2 and 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>According to Regulation (EC) Nr° 1272/2008:</strong></td>
</tr>
<tr>
<td>H372</td>
</tr>
<tr>
<td>H332</td>
</tr>
<tr>
<td>H411</td>
</tr>
</tbody>
</table>

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user’s responsibility to adhere existing laws and regulations.

**Issued by: R & D - coated abrasives**

**Contact: Mr. Cichon**