BE : Powder Extinguisher

1. PRODUCT AND COMPANY

Product name: Resil BE Powder for fire Extinguisher (FW1.0BE, FW2.3BE, FW4.5BE, FW9.0BE)

Manufacturer: Resil Comercial Industrial LTDA. Sao Paulo. Brazil

2. COMPOSITION / CLASSIFICATION

<table>
<thead>
<tr>
<th>Ingredient (Designation)</th>
<th>CAS No.</th>
<th>Percentage of Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen</td>
<td>7727-37-9</td>
<td>Not known, gas</td>
</tr>
<tr>
<td>Silica Gel</td>
<td>12036-06-3</td>
<td>0.3%</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-0</td>
<td>90%</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

3. HAZARD IDENTIFICATION

When in contact with out gushing fire extinguishing agent (powder) irritation may occur in open sores as well as eyes and throat. The fire extinguisher is at 15 bars super pressure. If subjected to high temperatures (over 60°C) the safety device might release (25 bar),

4. FIRST AID MEASURES

Inhalation
Move to fresh air
Skin contact
Wash off with plenty of water
Eye contact
Irrigate with fresh water for at least 10 minutes eyelids apart
Ingestion
Rinse mouth with water and give plenty of water to drink. If other symptoms persist seek medical advice and treat symptomatically.

5. FIRE FIGHTING MEASURES

The product is a fire-extinguisher. After use remove residual fire extinguishing agent from area.

6. ACCIDENTAL RELEASES MEASURES

Clear up spillage and transfer to a container for recycling or disposal. Vacuum cleaning is recommended to minimise dust formation.

7. HANDLING AND STORAGE

Storage dry and free from vibrations. Keep away from natriumhypochlorite (bleach).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

For long term exposure of the powder suitable respiratory protection i.e. dust mask/respirator should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description
Fire extinguisher for BE -fires (Flammable liquids, and electrical equipment).

Density
1.3 (fire extinguishing agent)

Flame point
Fire-extinguishing agent not flammable.

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal storage & handling conditions. Storage temperature from –30°C - +60°C. Incompatible materials: Strong acids, NaK alloy, and NH4H2PO4

11. TOXICOLOGICAL PROPERTIES

The following concerns the BE fire extinguishing agent:

Digestion: Virtually harmless
Skin contact: Can cause mild irritation
Inhalation: Inhalation of dust can under long periods of time deteriorate lung function.
Eye contact: The dust can cause discomfort or irritation.

12. ECOTOXICOLOGICAL INFORMATION

Ecotoxicity: Not determined
Persistence and degradability: No information available.
Bioaccumulative potential: No information available

13. DISPOSAL CONSIDERATION

Dispose of BE powder and used cans in accordance with local and regional regulations. Do not dispose with alkalis.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>ADR RID</th>
<th>IMDG</th>
<th>DGR (flyg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN nr: 1044</td>
<td>UN no: 1044</td>
<td>Class: BE Powder Extinguisher with compressed gas:</td>
</tr>
<tr>
<td>Ämnesnr: 6A</td>
<td>Class: 2</td>
<td>EmS no: 2-13</td>
</tr>
<tr>
<td>Etikett: 2/LQ</td>
<td>Class: 2.2</td>
<td>MFAG no: 620</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

The powder is not classified as hazardous according to regulations for chemicals. (Information about hazards and packaging of wares, 1994). Control rules for working environment and hazardous elements in the working environment. This material safety sheet does not replace the user's own judgement of the size of the workplace and environment in accordance with the above mentioned rules. In some cases, depending on packaging size, the rules for manual handling of the product might apply.

16. OTHER INFORMATION

The information about the fire extinguishing agent in this document is based on the powder manufacturer's data. The information is based on the knowledge and regulations of today. It is a guide for health and environment concerns concerning to the product and should not be considered a guarantee of function. The product should never be used for anything but fire fighting, without first contacting the supplier. The user is responsible that valid laws and regulations are being followed. Additional information exists in the health and safety documents at the manufacturers'.

SDS : Safety Data Sheet

Solubility
Fire extinguishing agent is soluble in water but the silicon makes the process slow.

PH
4.5 in 5% water-based solution.

Breaks down
At 190°C in flame zone (fire extinguishing agent).

12. ECOTOXICOLOGICAL INFORMATION

Ecotoxicity: Not determined
Persistence and degradability: No information available.
Bioaccumulative potential: No information available