

## Product Handling Information Sheet

### Polystone® D nuclear natural

#### 1. Company

Name/Address **Röchling Industrial SE & Co. KG**  
 Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0  
 info@roechling-plastics.com • www.roechling.com/industrial/haren

#### 2. Product details

|                                   |   |
|-----------------------------------|---|
| Product/Article                   | Technical semi-finished product or machined part  |
| Abbreviated terms                 | PE-HD / PE 500  |
| Material Characterisation         | Crosslinked plastic with additives  |
| Main Components                   | <ul style="list-style-type: none"> <li>• polyethylene</li> <li>• possibly olefin-copolymerisate</li> <li>• stabiliser</li> <li>• additives</li> <li>• boron trioxide</li> </ul> |
| Components Subject to labelling   | Boron trioxide (CAS-No. 1303-86-2)  |
| Classification according to REACh | Article   |
| Notes                             | -   |

#### 3. Product characteristics

|                              |  |
|------------------------------|--|
| Form/State                   | <ul style="list-style-type: none"> <li>• firm</li> </ul>             |
| Color                        | natural  |
| Odour                        | <ul style="list-style-type: none"> <li>• nearly odourless</li> </ul> |
| Density                      | -  |
| Melting range                | -  |
| Glass transition temperature | -  |



### 3. Product characteristics

|                       |        |
|-----------------------|--------|
| Thermal decomposition | >390°C |
| Flash point           | -      |
| Ignition temperature  | >390°C |
| Notes                 | -      |

### 4. Danger warnings

|   |   |
|---|---|
| Special Risks For Mankind And The Environment | none  |
| Notes   | Boron trioxide could react with water to boric acid |

### 5. Handling and Storage

|                 |   |
|-----------------|---|
| Handling        | <ul style="list-style-type: none"> <li>• Product can be worked with conventional machines and tools.</li> <li>• Before machining the product should have room temperature and/or to be stored for min. 24h under normal climatic conditions.</li> </ul> |
| Storage         | <ul style="list-style-type: none"> <li>• horizontally</li> <li>• dry</li> <li>• protected against frost</li> <li>• protected against climatic influences</li> </ul>   |
| Safety measures |   |
| Shelf Life      | -   |
| Notes           | Do not drink, eat or smoke during the machining process   |

### 6. Transport

|                          |   |
|--------------------------|---|
| Transport                | <ul style="list-style-type: none"> <li>• Non dangerous goods according to the transport regulations.</li> <li>• Secure against slipping.</li> </ul> |
| Finished Product Packing | -   |
| Notes                    | -   |

### 7. Fire – fighting measures



|                                |  |
|--------------------------------|--|
| Suitable extinguishing agents  | <ul style="list-style-type: none"> <li>• foam</li> <li>• CO<sub>2</sub></li> <li>• dry powder extinguishing agents</li> </ul>  |
| Potential combustion products  | <ul style="list-style-type: none"> <li>• CO</li> <li>• CO<sub>2</sub></li> <li>• boron oxide</li> </ul>  |
| Necessary protection equipment | <ul style="list-style-type: none"> <li>• Complete protection equipment for fire-brigade.</li> <li>• Use self-contained air respirators during strong smoke and steam development.</li> </ul> |
| Notes                          | Molten product has to be cooled with water. Fire residues must be collected and disposed of according to the local instructions  |

### 8. Removal

|                  |  |
|------------------|--|
| Recyclability    | Check possibility of recycling.  |
| EC Waste Catalog | The product is classified in accordance with the European-Waste Catalogue (EWC) as "not dangerous".  |
| Waste Removal    | Has to be conveyed to a suitable dumping site or combustion plant in accordance with local regulations.                                    |
| EC Waste Code    | <ul style="list-style-type: none"> <li>• 17 02 04 glass / plastic and wood containing or contaminated with hazardous substances</li> </ul> |
| Notes            | -  |

### 9. Marking and Guidelines

|  |                       |
|--|-----------------------|
| Marking in accordance with EEC Guideline | no labelling required |
| Notes                                    | -                     |

### 10. Information about REACH

|                         |   |
|-------------------------|---|
| Information about REACH | According to EC directive 1907/2006/EC (REACH), Article 3, no.3 our products are clearly defined as articles, exempt from registration. The EU regulation about chemicals no. 1907/2006 (REACH), which came into force 01 st of June 2007, prescribes Material Safety Data Sheets only for dangerous substances and preparations. According to REACH we are manufacturing articles and, therefore, not required to issue safety sheets.[] |
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### 11. Other Information

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#### Other Information

The information in this document are based on our today's knowledge and represent no affirmation of characteristics. Existing laws and regulations are to be observed by the user of our product within his own responsibility.

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