Product Handling Information Sheet

Polystone® D nuclear black

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	Semi crystalline plastic
Main Components	• polyethylene • possibly olefin-copolymerisate • stabiliser • additives • boron trioxide
Components Subject to labelling	Boron trioxide (CAS-No. 1303-86-2)
Classification according to REACh	Article
Notes	–

3. Product characteristics

Form/State	• firm
Color	black
Odour	• nearly odourless
Density	>1,05
Melting range	130 ... 135
Glass transition temperature	–

3. Product characteristics

Thermal decomposition	> 390°C
Flash point	-
Ignition temperature	> 350°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	• Product can be worked with conventional machines and tools. • Before machining the product should have room temperature and/or to be stored for min. 24h under normal climatic conditions.
Storage	• horizontally • dry • protected against frost • protected against climatic influences
Safety measures	
Shelf Life	–
Notes	Do not drink, eat or smoke during the machining process.

6. Transport

Transport	• Non dangerous goods according to the transport regulations. • Secure against slipping.
Finished Product Packing	–
Notes	–

7. Fire – fighting measures

Suitable extinguishing agents	• foam • CO_2 • dry powder extinguishing agents
Potential combustion products	• CO • CO_2 • boron oxide
Necessary protection equipment	• Complete protection equipment for fire-brigade.
Notes	Molten product has to be cooled with water. Fireresidues must be collected and disposed 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	• 17 02 04 glass / plastic and wood containing or contaminated with hazardous substances
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.

11. Other Information

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.