

# Product Handling Information Bulletin [PHIB]

## Murlubric® black

| 1. Manufacturer                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| MURTFELDT GmbH & Co. KG<br>Heßlingsweg 14-16<br>44309 Dortmund<br>Germany | +49 231 20609-0<br>info@murtfeldt.de<br>www.murtfeldt.com                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2. Product description                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Name                                                                      | Murlubric® black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product                                                                   | Technical semi-finished products and parts made from them                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Chemical characterization / main components                               | PA6 C (cast polyamide 6), contains oil, Color pigments, additives if necessary, processing aids if necessary                                                                                                                                                                                                                                                                                                                                                                                                |
| Classification REACH                                                      | Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3. Product properties                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Material colours                                                          | black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Shape                                                                     | Solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Smell                                                                     | Product specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Melting temperature                                                       | 215 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Thermal decomposition                                                     | > 350 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Auto-ignition temperature                                                 | > 400 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Density                                                                   | 1.14 g/cm <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 4. Handling and storage                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Handling                                                                  | No specific regulations need to be observed; processing can be carried out using commercially available machines. It is important to take into account the local workplace-related dust limit value. Efficient ventilation of the work area must be ensured. Before processing, the product should be at room temperature or have been stored for at least 24 hours under normal climatic conditions. During mechanical processing, care must be taken to avoid temperatures above the melting temperature. |
| Storage                                                                   | Horizontal, protected from UV radiation and other sources of degradation (chemicals, radiation, moisture). It is advisable to store semi-finished products and finished parts for long-term storage under constant conditions (standard climate of +73.4°F and 50% relative humidity).                                                                                                                                                                                                                      |
| 5. Firefighting instructions                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Suitable extinguishing agents                                             | Water, water spray, foam, extinguishing powder, carbon dioxide (CO <sub>2</sub> )                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Harmful decomposition products                                            | In case of overheating and combustion, mainly carbon monoxide, carbon dioxide, nitrogen oxide and traces of hydrogen cyanide and ammonia are released. The formation of additional fission and oxidation products depends on the fire conditions. Traces of other toxic substances cannot be excluded under certain conditions.                                                                                                                                                                             |
| Special protective equipment                                              | Firefighters should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and/or eyes. In case of skin burns caused by molten material, cool with cold water and then seek clinical treatment.                                                                                                                                                                                                                                                                       |
| 6. Disposal instructions                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                           | Can be recycled or disposed of with household waste in accordance with local regulations.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 7. Transportation                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                           | Not dangerous goods within the meaning of the transportation regulations. Secure against slipping.                                                                                                                                                                                                                                                                                                                                                                                                          |
| 8. Information on REACH                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                           | According to EC Directive 1907/2006 (REACH), our products are characterized as articles in Article 3 (No. 3). "Article: means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition". There is no registration requirement.                                                                                                                                                                    |
| 9. Other information                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                           | This information exclusively describes the safety requirements of the product(s) and is based on our current state of knowledge. It does not constitute a guarantee of the product(s) described within the meaning of the statutory warranty regulations.                                                                                                                                                                                                                                                   |