

PE500 Sheet Pressed and Planed

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Safety Sheet

1. Substance/preparation	Polyethylene Synthetic resin
2. Composition / Indications to components	Chemical characterization Description: Polyethylene, high density CAS 9002-88-4 Dangerous components: Void Additional information Can contain additives.
3. Possible dangers	Information pertaining to particular dangers for man and environment The molten product adheres to the skin and causes burns. Spilled material may present a slipping hazard. Classification system This product is, according to EEC directives 1999/45, 67/548,76/769 and following amendments, not classified as hazardous.
4. First-aid measures	General information At room temperature the product is neither an irritant nor gives off hazardous vapours. The measures listed below apply to critical situations (Fire, incorrect process conditions). After inhalation In case of excessive inhalation of fumes move the person to fresh air. Call for medical help. After skin contact After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. If irritation persists, seek medical advice. After swallowing No specific measures have to be taken if the product is swallowed.

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5. Fire-fighting measures	<p>Suitable extinguishing agents Water haze Foam Chemical powder For safety reasons unsuitable extinguishing agents Water jet.</p> <p>Special hazards caused by the material, its products of combustion or resulting gases: In case of fire it can release : water (H₂O), carbon dioxide (CO₂), and when lacking oxygen (O₂), carbon monoxide (CO) The products of the burning are dangerous.</p> <p>Protective equipment: Use a mask with universal filter. Use self-contained breathing apparatus within confined rooms.</p> <p>Additional information Heat value: 12,2 kWh/kg</p>
6. Measures in case of unintended release	<p>Person-related safety precautions: Particular danger of slipping on leaked/spilled product. See point 8</p> <p>Measures for environmental protection: No special measures required. See points 12 and 13.</p> <p>Measures for cleaning/collecting: Recycle product or dispose properly.</p>

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7. Handling and storage	<p>Handling</p> <p>Information for safe handling:</p> <p>No special requirements necessary, if handled at room temperature.</p> <p>Avoid spilling the product, as this might cause falls.</p> <p>When bringing the material to processing temperatures gases might develop, forming:</p> <p>Ethylene and alkenes of higher molecular weight.</p> <p>traces of formaldehyde and acrylaldehyde</p> <p>traces of acids (Formic acid, acetic acid)</p> <p>Provide appropriate ventilation for such processing conditions.</p> <p>Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules.</p> <p>Prevent formation of dust.</p> <p>Storage</p> <p>Requirements to be met by storerooms and containers:</p> <p>Take precautionary measures to prevent the formation of static electricity.</p> <p>Ground equipment electrically.</p> <p>Open flames prohibited.</p> <p>Information about storage in one common storage facility: Not required. Further information about storage conditions:</p> <p>Protect from heat and direct sunlight.</p> <p>Store under dry conditions.</p> <p>Do not stack up the octabins.</p> <p>Specific applications For safe stacking follow the storage recommendations specific for this product</p>
8. Limitation of exposition	<p>Components with limit values that require monitoring at the workplace: Not required.</p>

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	<p>- Additional exposure limit values for possible processing dangers:</p> <table border="1"> <tr> <td colspan="2">107-02-8 acrylaldehyde</td> </tr> <tr> <td>WEL ()</td> <td>Short-term value: 0.7 mg/m³, 0.3 ppm</td> </tr> <tr> <td></td> <td>Long-term value: 0.23 mg/m³, 0.1 ppm</td> </tr> <tr> <td colspan="2">50-00-0 formaldehyde</td> </tr> <tr> <td>WEL ()</td> <td>Short-term value: 2.5 mg/m³, 2 ppm</td> </tr> <tr> <td></td> <td>Long-term value: 2.5 mg/m³, 2 ppm</td> </tr> <tr> <td colspan="2">64-18-6 formic acid</td> </tr> <tr> <td>WEL ()</td> <td>Long-term value: 9.6 mg/m³, 5 ppm</td> </tr> </table> <p>Additional information: Void</p> <p>Personal protective equipment</p> <p>General protective and hygienic measures Do not eat, drink or smoke while working.</p> <p>Breathing equipment: Use breathing protection in case of insufficient ventilation.</p> <p>Protection of hands: Heat resistant gloves</p> <p>Material of gloves</p> <p>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.</p> <p>Penetration time of glove material</p> <p>The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p>Eye protection: Not required.</p>	107-02-8 acrylaldehyde		WEL ()	Short-term value: 0.7 mg/m ³ , 0.3 ppm		Long-term value: 0.23 mg/m ³ , 0.1 ppm	50-00-0 formaldehyde		WEL ()	Short-term value: 2.5 mg/m ³ , 2 ppm		Long-term value: 2.5 mg/m ³ , 2 ppm	64-18-6 formic acid		WEL ()	Long-term value: 9.6 mg/m ³ , 5 ppm
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9. Physical and chemical characteristics	<p>General Information</p> <p>Form: Pellets</p> <p>Colour: Neutral various colours</p> <p>Odour: Nearly odourless</p> <p>Change in condition</p> <p>Melting point/Melting range: 50-140°C</p> <p>Boiling point/Boiling range: Not applicable</p> <p>Flash point: Not applicable (see attachment to guideline 92/69/EEC, A.9) Ignition temperature: > 360°C</p> <p>Danger of explosion: Product is not explosive. See point(s) 7.</p> <p>Density at 20°C 0.9-0.97 g/cm³</p> <p>Solubility in / Miscibility with</p> <p>Water: Insoluble</p> <p>Additional information Soluble in boiling, aromatic chlorinated solvents.</p>																
10. Stability and reactivity	<p>Thermal decomposition / conditions to be avoided:</p> <p>The product is stable when handled and stored under normal conditions. Decomposes over 360 °C.</p> <p>Dangerous reactions No dangerous reactions known</p> <p>Dangerous products of decomposition: No hazardous decomposition products known at room temperature.</p>																

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11. Toxic information	<p>Acute toxicity: Primary irritant effect: On the skin: No irritant effect. On the eye: No irritant effect. Sensitization: No sensitizing effect known. Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.</p>
12. Ecological information	<p>Other information: The product is not biodegradable. Behaviour in environmental systems: Mobility and bioaccumulation potential: Floats on water. There is no bioaccumulation. General notes: The product is not toxic, small particles can have physical effects on water and soil organisms.</p>
13. Waste-disposal information	<p>Reuse or recycle if possible. Disposal through controlled incineration or authorised waste dump. European waste catalogue 070213 Unclean packaging: Recommendation: Disposal must be done according to official regulations.</p>
14. Transport information	<p>According to national and international guidelines, which regulate the road, rail, air and sea transport, this product is classified as not dangerous.</p>
15. Regulation	<p>Not classified</p>
16. Further information	<p>The information is based on our current knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.</p>