

DIN Safety Data Sheet

1.

| Product | PMMA XT |
|---------------------------|---|
| Chemical Characterization | Acrylic Polymer based on Methylmethacrylate |
| Form | Sheets |
| Colour | Colourless (transparent) |
| Odour | Odourless |

2. Physical data and safety data

| Product | PMMA XT |
|--------------------------|--------------------------------------|
| Change in Physical State | Softening temperature about 102°C |
| Density | (20°C) 1.19 g/cm ³ |
| Vapour Pressure | Not applicable (transparent) |
| Viscosity | Not applicable |
| Solubility in Water | Insoluble |
| pH value | not applicable |
| Flash point | 390°C (ASTM-D 1929-68) (transparent) |
| Ignition Temperature | 465°C (ASTM-D 1929-68) |
| Explosion Limits | Not applicable |
| Thermal Decomposition | About 280°C |
| Hazardous Decomposition | With proper handling – none* |
| Hazardous reaction | With proper handling – none |
| Further information | None |

* On thermal decomposition vapours, consisting predominantly of Methylmethacrylate, are formed, which are inflammable and irritating to the eyes and respiratory system.

3. Transport

| Product | PMMA XT |
|---------|-----------------------------------|
| | GGV See/IMDG' Code not applicable |
| | UN No Code not applicable |
| | GGVE/GGVS Code not applicable |
| | RID/ADR Code not applicable |
| | ADNR Code not applicable |

4. Regulations

| Product | PMMA XT |
|---------|--|
| | PMMA XT colourless does not require labeling as specified in EEC Directive 79/831/EEC and amendments |

5. Protective Measures, Storage and Handling

| Product | PMMA XT |
|---|--|
| Technical Protective Measures | With normal handling no special measures are necessary. Protective measures should be taken when machining including using a suction device for dust and chips. |
| Personal Protective Equipment Respiratory protection | None on normal handling. On machining it may be necessary to use a dust mask. Eye protection Safety glasses during machining Hand protection Not required Other None |
| Industrial Hygiene | Observe usual standards of industrial hygiene |
| Protection against Fire & Explosion | No special measures necessary |
| Disposal | Product may be disposed of together with household refuse or industrial refuse taking care to follow local authorities regulations. |

6. Measures to be taken in case of Accidents and Fires

| Product | PMMA XT |
|----------------------------------|---|
| Spillage/Leakage | Vacuum and dispose of as written above |
| Suitable Extinguishing Equipment | Water-spray, foams, carbon dioxide, dry chemical Not to be Used Direct Water Jet |
| First Aid | Upon irritation of the eyes – wash eyes with plenty of tap water for about 15 minutes. If irritation persists consult a doctor |
| Further Information | None |

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7. Toxicity

| Product | PMMA XT |
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| | PMMA XT is not to be regarded as a hazardous material. With proper handling and provided the standards of industrial hygiene and safety in the work place are followed, no health hazards should be expected |

8. Ecological Effects

| Product | PMMA XT |
|---------|---|
| | PMMA XT is a solid material, insoluble in water and non-toxic, therefore no adverse effects on the environment should be expected |

This information reflects our current knowledge. It serves to describe the product and cannot be interpreted as a guarantee of certain properties.