

Safety Data Sheet

1907/2006/EU (Annex II, article 31) – 453/2010/EU
BLUE POLYSHAPES

POLYDENTIA SA

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1.1 Identification of the substance/preparation and of the company

Information on the product:
"Blue Polyshapes"

Medical Device Class (according to 93/42/EEC): I – Rule 1
Main use of the product: Modelling instruments in plastic material

1.2 Information on the manufacturer:

Polydentia SA
Via Cantonale 47
6805 Mezzovico-Vira (Switzerland)
Phone: +41 (0) 91 946 29 48
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Email : info@polydentia.com

1.3 Information provided by:

Phone: +41 (0) 91 946 29 48 Emergency telephone: +41 (0) 91 946 29 48

2. Composition/Information on Ingredients:

Preparation based on PSU Polysulfone CAS: 25154-01-2 plus colorants. No harmful classified ingredients, no Cadmium, no Lead, no Chrom-VI- nor Diaryl-Pigments. Fulfill the EC-Directives RoHS 2002/95/EC and its amendments 2005/618/EC

3. Health and Hazard Identification:

None, non dangerous classified material. Take notice of possibility of skin burns by melt processing hot materials (precautions, see position 4 and 8 of this document also).

4. First-Aid Measures:

After hot polymer contact / skin contact: Cool rapidly with cold water. Burns caused by hot and molten materials requires hospital treatment. Do not attempt to peel off sticking hot polymer from skin.
After eye contact: Rinse eyes with plenty of tap water, then seek for medical attention.

5. Fire-Fighting Measures/Instructions:

At Fire: Suitable extinguishing media: Water, Foam, Dry extinguishing media or CO₂.
Specific hazards: At temperatures above +400°C can be emitted CO, CO₂, SO₂ and SO₃. Under specific fire conditions traces of other toxic substances are possible. The formation of further decomposition and oxidation products depends on the fire environment conditions. Dispose of fire debris and contaminated extinguishing water in accordance to local regulations.

6. Accidental Release Measures/ Additional Information:

Methods for cleaning up and taking up: Pick up spilled material with normal suitable appliance and dispose in accordance to local regulations.: High risk of slipping due to spilled or leakage of the product.

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7. Handling and Storage Precautions:

Handling: Do not smoke during polymer melt processing, keep tobacco separate from polymer dust
Storage Conditions: Keep containers closed, normal dry storage conditions, protection against moisture.

Protection against fire and explosion: Take precautionary measures against electrostatic loading, avoid dust causing handling.

8. Exposure controls and Personal protection:

Due to high melt processing temperatures and general safety and hygienic measures, use protective gloves and eye-wear. 00 dust occurrence and off-going moisture, use respiration safeguard equipment and outwards ventilation to minimize dust and contamination. At working place install eye wash station.

9. Physical and Chemical Properties:

Appearance / Colour: Pellets, various depending on colorants

Odour: odouless

Ignition temperature: + 550°C

Softening point: +190°C

Density: 1,25 up to 1,35 g / cm³

Solubility in Water: Insoluble in aqueous solutions

10. Stability and Reactivity:

Conditions to avoid: Avoid processing temperature, above +400°C (see position 9 about). Hazardous decomposition products CO, CO₂ SO₂ and SO, gaseous products of degradation can be given off in the products is greatly overheated or burned with open flame.

11. Toxicological / Additional Information:

Based on our experience and the information available, no adverse health effects are expected if the product is handled as recommended with suitable precautions for designated uses. No negative effects known to our experience of today.

12. Ecological Information:

No eco-toxicological negative effects known. Other advices: None.

13. Disposal Considerations:

Check for possible material recycling. Waste can be disposed in normal waste land field observation of the local regulations, or can be incinerated in plants with scrubber. Waste-key: none

14. Transport Information:

Not classified as hazardous under international transport regulations.

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15. Regulatory Information:

Product does not require a hazard warning label in accordance to European Union (EC) labelling Directives.

No substances on the US State hazardous list, added in processing. None water pollution hazardous classification.

16. Other Information:

FOR PROFESSIONAL USE ONLY

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The receiver of this product must take responsibility for observing existing laws and national regulations.

POLYDENTIA SA is not held liable for any damage resulting from handling or contact with above mentioned products.