

EU – Safety Data Sheet



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Printing date: 23.01.2012

According to 1907/2006 (REACH)

Date of issue: 01.01.2010

Polya BioStar PP

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Polya BioStar PP A with shoulder
Polya BioStar PP B with shoulder
Polya BioStar PP B1 with shoulder
Polya BioStar PP C with shoulder

Company / Manufacturer: ERNST HINRICHS GmbH
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2. Composition / Information on Ingredients:

2.1 Chemical characterisation: Acrylic polymers based on methyl methacrylate.

3. Hazards Identification:

3.1 Classification: No classification.

4. First aid measures:

4.1 After inhalation: In case of discomfort seek medical advice.
4.2 After eye contact: In case of a mechanically irritation of the eye rinse with plenty of water and if symptoms persist consult a doctor.
4.3 After skin contact: Rinse off with water.
4.4 After swallowing: In case of discomfort consult a doctor.

5. Fire Fighting measures:

5.1 Suitable extinguishing agents: Water, foam, powder, carbon dioxide.
5.2 Extinguishing media that are suitable on safety grounds: Water with full jet.
5.3 Specific protective equipment for fire-fighting: Use a self contained respiratory device (breathing apparatus).

6. Accidental release measures:

6.1 Individual precautions: Avoid dust formation, use respiratory protection when exposed to vapours / dust / aerosol.
6.2 Methods for cleaning up: Pick-up mechanically and disposed according to local regulations.

7. Handling and Storage:

7.1 Handling:
Advices on safe handling: Avoid dust formation and deposition.
Precautions against fire and explosion: No special precautions required.
7.2 Storage:
Requirements for storage room / container: Store dry.

8. Exposure controls / Personal protection:

Components or decomposition products according to point 10, that require monitoring at the workplace and with occupational exposure limits:

8.1 Dust and particles:
Occupational exposure limit value according to TRGS 900; 2007: 10 mg / m³
Inhalable fraction.



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Peak limit overflow factor: 2(II)
Occupational exposure limit value according to TRGS 900; 2007: 3 mg / m³
Peak limit overflow factor: 2(II)
Alveolar fraction.

Methyl methacrylate 80-62-6
Occupational exposure limit value according to TRGS 900; 2007: 210 mg / m³ - 50 ml / m³
Peak limit overflow factor: 2(II)

Y - A risk of reproductive effects can be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept.

Exposure control:

Monitoring and observation processes see for example "recommended analyses processes for workplace measures", writings according to the Federal Labour Office and NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health.

8.2 Personal protective equipment:

General protection measures: Do not inhale dust.
Hygienic measures: Follow the normal hygienic measures at a workplace. After work wash hands thoroughly and use skin protection cream.
Breathing protections: Breathing protection by dust formation. Filter unit, P1.
Hand protection: Protective gloves against mechanic risks according to EN 388.
Eye protection: Tightly sealed goggles.
General information: Change regularly the protective gloves, especially after intensive contact to the product. Choose a suitable glove type for every workplace.

9. Physical and chemical properties:

9.1 Appearance:
Physical state: Grist.
Colour: Different, depends on pigmentation.
Odour: Slight inherent smell.

9.2 Change in state:
Softening temperature: Approx. 100°C
Boiling temperature: Not applicable.
Flash point: >250°C
Ignition temperature: >400°C (ASTM D1929-68)
Auto-ignition temperature: Not determined.
Lower explosion limit: Not determined.
Upper explosion limit: Not determined.
Vapour pressure: Not applicable.
Density: Not determined.
Bulk density: Not determined.
Water solubility: Insoluble.
Solubility (qualitative): Good soluble in for example: ester, ketone, chlorinated hydrocarbon.

PH-value: Not applicable.
Viscosity (dynamic): Not applicable.

9.3 Further information: Dust explosions are generally possible when handling with dusty organic products.

10. Stability and Reactivity:

10.1 Thermal decomposition: >250°C
10.2 Hazardous reactions: No hazardous reactions known.
10.3 Hazardous decomposition products: Thermal decomposition develops flammable, for the eyes and respiratory system irritating vapours, mainly consisting methyl methacrylate.



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11. Toxicological Information:

The product was not toxicologically tested. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The fine fraction of the product can cause mechanically irritations on the skin, in the eyes and on the mucous membrane. Avoid skin and eye contact with the product as well as inhalation of the products dusts /- aerosols.

12. Ecological Information:

The product has not been tested ecotoxicologically. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption Do not allow the product to enter ground soil / waters or drainage system.

13. Disposal Considerations:

- | | |
|-------------------------------|---|
| 13.1 Product: | Waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility. |
| 13.2 Uncleaned package: | Contaminated packaging should be emptied optimally and after appropriate professional cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of professionally. Uncontaminated packaging may be taken for recycling. |
| 13.3 EU waste code - 18 01 07 | Wastes from natal care, diagnosis, treatment or prevention of disease in humans – chemical other than those mentioned in 18 01 06
Always check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities. |

14. Transport Information:

- 14.1 Not a dangerous good within the meaning of transportation regulations.

15. Regulatory Information:

- | | |
|--|---|
| 15.1 Labelling in accordance with directive 1999/45/EC: | Not applicable |
| 15.2 Special provisions for certain preparations according to directive 1999/45/EC annex V part B: | Contains methyl methacrylate, methyl acrylate. May cause an allergic reaction." |
| 15.3 Technical instructions (air): | 5.2.1 |
| 15.4 Water hazard class: | Not hazardous to water (nwg). |
| 15.5 Registration status: | EINECS (EU) listed or excluded. |

16. Further Information:

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.