

# E.C. Safety Data Sheet

Status: 02.11.2006

Version: 3.2



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## 1. Identification of the Substance/Preparation and of the Company/Undertaking

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#### Recommended use(s):

thickening agent

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## 2. Composition/Information on Ingredients

Acrylic polymer on the basis of isobutyl methacrylate

#### Hazardous Ingredients

Component	CAS Number	Hazard symbol(s) / R-phrases	Content
isobutyl methacrylate	97-86-9	Xi, N 10-36/37/38-43-50	0,1 - 1,0 %

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## 3. Hazards Identification

No particular hazards known.

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## 4. First Aid Measures

#### After inhalation

In case of complaints get medical advice.

#### After contact with eyes

If mechanical irritation occurs flush eyes thoroughly with a large amount of water, consult a physician if irritation persists.

#### After contact with skin

Wash off immediately with soap and water. If skin irritation occurs consult a physician.

#### After Ingestion

In case of complaints get medical advice.

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## 5. Fire-fighting Measures

#### Suitable extinguishing media

foam, dry chemical, carbon dioxide, water spray

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## **Unsuitable extinguishing media for safety reasons**

full water jet

## **Special protective equipment for fire fighting**

Wear self-contained breathing apparatus.

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## **6. Accidental Release Measures**

### **Precautionary measures related to people**

Avoid dust formation. Use breathing apparatus if exposed to vapours/dust/mist/aerosol. High risk of slipping due to leakage/spillage of product.

### **Methods of cleaning / adsorption**

Take up mechanically. Dispose of in accordance with regulations.

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## **7. Handling and Storage**

### **Handling**

#### **Instructions on safe handling**

Avoid the formation and deposition of dust.

#### **Information on fire and explosion protection**

Take precautionary measures against static discharges

### **Storage**

#### **Requirements for storage areas and containers**

Storage: dry.

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## **8. Exposure Controls/Personal Protection**

### **Occupational exposure controls**

For monitoring procedures refer to for instance "Empfohlene Analysenverfahren für Arbeitsplatzmessungen", Schriftenreihe der Bundesanstalt für Arbeitsschutz and "NIOSH Manual of Analytical Methods", National Institute for Occupational Safety and Health

### **Personal protective equipment**

#### **General protective measures**

Do not inhale dust.

#### **Hygiene measures**

Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

#### **Respiratory protection**

respiratory protection in case of dust formation, short term: filter appliance, filter P1

#### **Hand protection**

protective gloves against mechanical risks according to EN 388

##### **General information**

Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

#### **Eye protection**

tightly fitting goggles

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## 9. Physical and Chemical Properties

### Appearance

Form :	powder
Colour :	white
Odour :	faint characteristic odour

### Data relevant to safety

#### Changes in physical state

Softening Temperature	approx. 50 °C
Boiling Temperature	not applicable
<b>Flash point</b>	> 250 °C ( ASTM D1929-68 )
<b>Ignition temperature</b>	> 400 °C ( ASTM D1929-68 )
<b>Auto ignition</b>	not determined
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Vapour pressure</b>	not applicable
<b>Density</b>	not determined
<b>Bulk density</b>	290 - 340 kg/m <sup>3</sup> at 20 °C
<b>Solubility in water</b>	insoluble
<b>Solubility (qualitative)</b>	in e.g. esters, ketones and chlorinated hydrocarbons: readily soluble
<b>pH-value</b>	not applicable
<b>Viscosity (dynamic)</b>	not applicable
<b>Further information</b>	Dust explosions are generally to be expected with dust-forming organic products.

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## 10. Stability and Reactivity

### Thermal decomposition

> 250 °C

### Hazardous reactions

No hazardous reactions known.

### Hazardous decomposition products

In case of thermal decomposition combustible, the eyes and respiratory system irritating vapours are formed, consisting mainly of: isobutyl methacrylate

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## 11. Toxicological Information

### General information

The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. The fine particles contained in the product may cause mechanical irritations of the skin, eyes and mucous membranes. Avoid skin and eye contact and inhalation of product dust/aerosols.

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## 12. Ecological Information

### General 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 to enter soil, waterways or waste water

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## 13. Disposal considerations

### 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.

### Uncleaned packaging

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.

### Code of waste EWC

17 02 03

wood, glass and plastic - plastic

Always check the given waste codes according to the actual conditions of manufacturing, formulation or use in your facilities.

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## 14. Transport Information

### Further information

Not a dangerous good within the meaning of transportation regulations.

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## 15. Regulatory Information

### Labelling in accordance with directive 1999/45/EC

not applicable

### Special provisions for certain preparations according to directive 1999/45/EC annex V part B

'Contains isobutyl methacrylate. May produce an allergic reaction.'

### Status of Registration

EINECS (EU)	listed or exempted
AICS (AUS)	listed or exempted
IECS (VR)	listed or exempted

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## 16. Other Information

### Miscellaneous information

none

### R-phrases of relevance from Section 2

10	Flammable.
36/37/38	Irritating to eyes, respiratory system and skin.
43	May cause sensitisation by skin contact.
50	Very toxic to aquatic organisms.

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## References

- relevant manuals and publications
- own examinations
- own toxicological and ecotoxicological studies
- toxicological and ecotoxicological studies of other manufacturers
- SIAR
- OECD-SIDS
- RTK public files

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Places marked by || have been amended from the last version.

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