

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**BEST-MK 2238**

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product identifier

BEST-MK 2238

#### Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Adhesives, sealants

##### Uses advised against

none/none

#### Details of the supplier of the safety data sheet

Company name:	Best Klebstoffe GmbH & Co. KG		
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Responsible Department:	Dr. Timo Gans-Eichler Chemieberatung Raesfeldstr. 22 48149 Münster	e-mail: tge-consult@t-online.de Tel.: +49 (0)251/924520-60 www.tge-consult.de	

**Emergency telephone:** +49 (0)8869-91384-0 (08:00 - 17:00)

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

This mixture is not classified as dangerous according to Directive 1999/45/EC.

#### **GHS classification**

This mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008.

#### Label elements

### SECTION 3: Composition/information on ingredients

#### Mixtures

##### **Chemical characterization**

Mixture of different methacrylate monomers.

##### **Further Information**

Product does not contain listed SVHC substances.

### SECTION 4: First aid measures

#### Description of first aid measures

##### **General information**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

##### **After inhalation**

No special measures are necessary. In case of irritation of the respiratory tract seek medical advice.

##### **After contact with skin**

In case of skin irritation consult a doctor

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### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

### **After ingestion**

Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. Call a POISON CENTER or doctor/physician.

### **Most important symptoms and effects, both acute and delayed**

No data available

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### **Extinguishing media which must not be used for safety reasons**

High power water jet.

### **Special hazards arising from the substance or mixture**

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### **Advice for firefighters**

Wear a self-contained breathing apparatus and chemical resistant suit.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Extinguishing materials should be selected according to the surrounding area.

## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8. Avoid contact during pregnancy/while nursing.

### **Environmental precautions**

Do not empty into drains. Cover drains. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

### **Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the assimilated material according to the section on waste disposal.  
Rinse with water.

## **SECTION 7: Handling and storage**

### **Precautions for safe handling**

#### **Advice on safe handling**

Wear suitable protective clothing. ( Refer to chapter 8. ) Avoid contact during pregnancy/while nursing.

#### **Advice on protection against fire and explosion**

Usual measures for fire prevention. Product is not: Combustible.

#### **Further information on handling**

Avoid contact with skin, eye and clothing.

### **Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.

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Keep/Store only in original container.

### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

### Further information on storage conditions

Recommended storage temperature: 20°C  
Protect against: Light. heat. cooling moisture.

### Specific end use(s)

Adhesives, sealants

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### Additional advice on limit values

To date, no national limit values exist.

### Exposure controls

#### Occupational exposure controls

In case of open handling, use devices with built-in suction where possible.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Wash contaminated clothing prior to re-use. Used working clothes should not be used outside the work area. Street clothing should be stored separately from work clothing.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection required in case of: aerosol or mist generation. Suitable respiratory protective equipment: Typ: Combination filter device (DIN EN 141).. Type: A- P-2/P-3

#### Hand protection

Pull-over gloves of rubber. DIN EN 374  
Suitable material:  
FKM (fluororubber). (0,4 mm)  
Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking off and store in well-aired place.

#### Eye protection

Suitable eye protection: Tightly sealed safety glasses. DIN EN 166

#### Skin protection

No special precautionary measures are necessary.

#### Environmental exposure controls

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	liquid
Colour:	blue
Odour:	characteristic

Test method

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pH-Value: n/a

#### Changes in the physical state

Ignition temperature: >300 °C

#### Oxidizing properties

none/none

Vapour pressure: < 0,15 hPa DIN 51616  
(at 25 °C)

Density: 1,08 g/cm<sup>3</sup> DIN 51757

Water solubility: not miscible

Viscosity / dynamic: 8000 mPa·s  
(at 23 °C)

### SECTION 10: Stability and reactivity

#### Reactivity

No information available.

#### Chemical stability

point of decomposition: > 200 °C

#### Possibility of hazardous reactions

No information available.

#### Conditions to avoid

Keep away from heat. Decomposition possible after prolonged exposure to light.

#### Incompatible materials

Materials to avoid: Substances or mixtures which, in contact with water emit flammable gases. Peroxides. Alkali metals. Peroxides. Reducing agents, strong.

#### Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### **Toxicocinetics, metabolism and distribution**

No data available

##### **Acute toxicity**

No data available

##### **Irritation and corrosivity**

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: Not an irritant.

##### **Sensitising effects**

There are no data available on the preparation/mixture itself.

##### **Severe effects after repeated or prolonged exposure**

There are no data available on the preparation/mixture itself.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

There are no data available on the preparation/mixture itself.

### SECTION 12: Ecological information

#### Persistence and degradability

Product is biodegradable.

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### Bioaccumulative potential

No indication of bio-accumulation potential.

### Mobility in soil

No data available

### Results of PBT and vPvB assessment

No data available

### Further information

Do not empty into drains or the aquatic environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

#### **Advice on disposal**

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal.

#### **Waste disposal number of waste from residues/unused products**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

#### **Waste disposal number of used product**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

#### **Waste disposal number of contaminated packaging**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

#### **Contaminated packaging**

Non-cleanable Packaging has to be recycled like the unused product. Cleaned containers may be recycled.

## SECTION 14: Transport information

### **Land transport (ADR/RID)**

**UN number:** Not restricted

**UN proper shipping name:** Not restricted

### **Inland waterways transport**

**UN number:** Not restricted

**UN proper shipping name:** Not restricted

### **Marine transport**

**UN number:** Not restricted

**UN proper shipping name:** Not restricted

### **Air transport**

**UN/ID number:** Not restricted

**UN proper shipping name:** Not restricted

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### SECTION 15: Regulatory information

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

1999/13/EC (VOC): < 1% (1999/13/EC);

##### Additional information

1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006; 1272/2008; 75/324/EWG (2008/47/EG)

##### National regulatory information

Employment restrictions: Observe employment restrictions for young people.  
Water contaminating class (D): 1 - slightly water contaminating

### SECTION 16: Other information

#### Changes

Rev. 1.0 , Initial release : 29.11.2011  
Rev. 1,01, 06.12.2012  
Rev. 1,02 18.12.2012

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
OSHA: Concerning the International Transport of Dangerous Goods by Rail)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
LOAEL: Lowest observed adverse effect level  
NOAEC: No observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
DNEL: Derived No Effect Level  
PNEC: predicted no effect concentration  
TSCA: Toxic Substances Control Act  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
NTP: National Toxicology Program  
SARA: Superfund Amendments and Reauthorization Act  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
PBT: Persistent bioaccumulative toxic  
SVHC: substance of very high concern

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other

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products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*