

Safety Data Sheet

according to Regulation (EC) No 1907/2006

BEST-MK 4423

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

Product identifier

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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 (CO₂). 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 (CO₂). Nitrogen oxides (NO_x).

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:	green
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/cm³ DIN 51757

Water solubility: not miscible

Viscosity / dynamic: 200 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 (CO₂). Nitrogen oxides (NO_x).

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.

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