

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

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

- **1.1 Product identifier**
- **Trade name MureFlex EKY 91 Komp. A**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Spacings sealent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

- |               |   |
|---------------|---|
| Skin Irrit. 2 | H315 Causes skin irritation.              |
| Eye Irrit. 2  | H319 Causes serious eye irritation.       |
| Skin Sens. 1  | H317 May cause an allergic skin reaction. |

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Bisphenol A epoxy resin  
benzyl alcohol  
Bisphenol F diglycidyl ether, mixture of isomers  
[[4-(1,1-Dimethylethyl)phenoxy]methyl]oxirane  
1,6-bis(2,3-epoxypropoxy)hexane  
Bisphenol-F-epichlorohydrin resin
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

(Contd. on page 2)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

### Trade name MureFlex EKY 91 Komp. A

(Contd. of page 1)

- P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye protection / face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Additional information:**

Contains epoxy constituents. May produce an allergic reaction.

• **2.3 Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable








• **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

• **3.2 Mixtures**

• **Description:** Mixture consisting of the following components with harmless additives.

• **Dangerous components:**

CAS: 1675-54-3 EINECS: 216-823-5	Bisphenol A epoxy resin -----  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 EUH205 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	≥10-<25%
CAS: 7727-43-7 EINECS: 231-784-4	barium sulphate, natural substance with a Community workplace exposure limit	5-10%
CAS: 12001-26-2	Mica substance with a Community workplace exposure limit	5-10%
Reg.nr.: 01-2119454392-40-0003	Bisphenol F diglycidyl ether, mixture of isomers Consisting of: 9003-36-5 Bisphenol-F-epichlorohydrin resin -----  Aquatic Chronic 2, H411  Skin Irrit. 2, H315; Skin Sens. 1A, H317	2.5-5%
CAS: 100-51-6 EINECS: 202-859-9 Reg.nr.: 01-2119492630-38-xxxxx	benzyl alcohol -----  Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Skin Sens. 1B, H317 ATE: LD50 oral: 1,200 mg/kg	2.5-5%
ELINCS: 432-430-3 Reg.nr.: 01-0000017860-69-xxx	Polyamidwachs ----- Aquatic Chronic 4, H413	2.5-5%
CAS: 3101-60-8 EINECS: 221-453-2	[[4-(1,1-Dimethylethyl)phenoxy]methyl]oxirane -----  Aquatic Chronic 2, H411  Skin Sens. 1, H317	≥1-<2.5%

(Contd. on page 3)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

### Trade name MureFlex EKY 91 Komp. A

		(Contd. of page 2)
CAS: 933999-84-9 Reg.nr.: 01-2119463471-41	1,6-bis(2,3-epoxypropoxy)hexane ----- ⚠ Repr. 1A, H360F ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Aquatic Chronic 3, H412	≥0.1-<0.3%
CAS: 9003-36-5 NLP: 500-006-8 Reg.nr.: 01-2119454392-40-0001	Bisphenol-F-epichlorohydrin resin ----- ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317 EUH205	≥0.1-<0.25%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation**  
Supply fresh air and call for doctor for safety reasons.  
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
Instantly rinse with water.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
Keep dirty washing water for appropriate disposal.  
Do not allow product to reach sewage system or water bodies.  
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

(Contd. on page 4)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

Trade name MureFlex EKY 91 Komp. A

(Contd. of page 3)

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

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

##### Storage

· **Requirements to be met by storerooms and containers:** Store only in the original container.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class** 10

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

· **Components with critical values that require monitoring at the workplace:**

##### 7727-43-7 barium sulphate, natural

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
-----	---

##### 12001-26-2 Mica

WEL	Long-term value: 10* 0.8** mg/m <sup>3</sup> *total inhalable **respirable
-----	---

· **Additional information:** The lists that were valid during the compilation were used as basis.

#### 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Breathing protection recommended.

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Hand protection**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

Trade name MureFlex EKY 91 Komp. A

(Contd. of page 4)

- **Eye/face protection** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· <b>Physical state</b>	Liquid
· <b>Colour:</b>	White
· <b>Smell:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined
· <b>Melting point/freezing point:</b>	Not determined
· <b>Boiling point or initial boiling point and boiling range</b>	Not determined
· <b>Flammability</b>	Not applicable
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined
· <b>Upper:</b>	Not determined
· <b>Flash point:</b>	Not applicable
· <b>Decomposition temperature:</b>	Not determined
· <b>pH</b>	Mixture is non-soluble (in water).
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined
· <b>dynamic:</b>	Not determined
· <b>Solubility</b>	
· <b>Water:</b>	Not miscible or difficult to mix
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined
· <b>Steam pressure:</b>	Not determined
· <b>Density and/or relative density</b>	
· <b>Density</b>	Not determined
· <b>Relative density</b>	Not determined
· <b>Vapour density</b>	Not determined

#### · 9.2 Other information

· <b>Appearance:</b>	
· <b>Form:</b>	Pasty
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined

#### · Information with regard to physical hazard classes

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void

(Contd. on page 6)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

Trade name MureFlex EKY 91 Komp. A

(Contd. of page 5)

· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

#### 1675-54-3 Bisphenol A epoxy resin

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

#### 100-51-6 benzyl alcohol

Oral	LD50	1,200 mg/kg (ATE) 1,230 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

#### Polyamidwachs

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

#### 9003-36-5 Bisphenol-F-epichlorohydrin resin

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) -**
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

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(Contd. on page 7)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

Trade name MureFlex EKY 91 Komp. A

(Contd. of page 6)

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

##### Polyamidwachs

EC 50 &gt;1,000 mg/l (G) (24h/48h)

LC50 >1,000 mg/l (Oncorhynchus mykiss (Regenbogenforelle))  
134 mg/l (G) (48hr; EPIWIN software)

##### 9003-36-5 Bisphenol-F-epichlorohydrin resin

EC 50 1.8 mg/l (Desmodesmus subspicatus)

1.6 mg/l (G)

IC 50 &gt;100 mg/l (bacteria)

LC50 0.55 mg/l (Lepomis macrochirus (Fisch))

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable

· **vPvB:** Not applicable

#### · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### · 12.7 Other adverse effects

· **Remark:** Harmful to fish

#### · Additional ecological information:

##### · General notes:

Harmful to aquatic organisms

Water hazard class (Germany) 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

##### · Waste disposal key number:

57123

Epoxidharz

##### · Uncleaned packagings:

· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### · 14.1 UN number or ID number

· **ADR, IMDG, IATA**

Void

#### · 14.2 UN proper shipping name

· **ADR, IMDG, IATA**

Void

(Contd. on page 8)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

Trade name MureFlex EKY 91 Komp. A

(Contd. of page 7)

· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

#### · **Regulated explosives precursors**

None of the ingredients is listed.

#### · **Regulated poisons**

None of the ingredients is listed.

#### · **Reportable explosives precursors**

None of the ingredients is listed.

#### · **Reportable poisons**

None of the ingredients is listed.

#### · **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other 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.

#### · **Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H360F May damage fertility.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.
- EUH205 Contains epoxy constituents. May produce an allergic reaction.

- **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

#### · **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

(Contd. on page 9)

## Safety data sheet according to UK REACH

Printing date 25.06.2026

Version number 11

Revision: 25.06.2026

### Trade name MureFlex EKY 91 Komp. A

(Contd. of page 8)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 1A: Reproductive toxicity – Category 1A

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **\* Data compared to the previous version altered.**

GB