

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 1 of 14

Creation date: 11.02.2021

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

#### 1.1. Product identifier

DUO MIX EPOXY-KLEBER (Harzkomponente)

##### Further trade names

DUO MIX EPOXY-GLUE resin

DUO MIX COLLA-EPOSSIDICA resina

UFI: 5YD0-M000-H00E-QY2H

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

##### Use of the substance/mixture

For industry, manufacturing, consumer.  
resin component of a two-component adhesive system

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

Company name: BINDULIN-WERK H.L.Schönleber GmbH

Street: Wehlauer Str. 49-59

Place: D-90766 Fürth

Telephone: +49 (0)911 / 73104-8

Telefax: +49 (0)911 / 73104-5

e-mail: sicherheitsdatenblatt@bindulin.com

Responsible Department: Abteilung Produktsicherheit BINDULIN-WERK H.L.Schönleber GmbH

#### 1.4. Emergency telephone

+49 (0)911 / 73104-9

##### number:

##### Further Information

Available in the following office hours  
Monday - Friday from 7:30am to 12:00am and 12:30am to 4:00pm

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

bis-[4-(2,3-epoxipropoxy)phenyl]propane

formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Signal word: Warning

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 2 of 14

Creation date: 11.02.2021

### Pictograms:



GHS07



GHS09

### Hazard statements

- |      |  |
|------|--|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H319 | Causes serious eye irritation.                   |
| H411 | Toxic 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.   |
| P273           | Avoid release to the environment.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.                                    |
| P301+P310      | IF SWALLOWED: Immediately call a doctor.   |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501           | Dispose of contents/container to waste removal facility in accordance to local regulations.                                      |

### Labelling of packages where the contents do not exceed 125 ml

#### Hazard components for labelling

bis-[4-(2,3-epoxipropoxy)phenyl]propane  
formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Signal word: Warning

### Pictograms:



GHS07



GHS09

### Hazard statements

H317

### Precautionary statements

P101-P102-P280-P301+P310-P501

### Additional advice on labelling

Exceptions of (EG) No.1272/2008 Art.17 according to Annex 1, Paragraph 1.5.2 were claimed.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of the following ingredients with other substances classified as non-hazardous.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 3 of 14

Creation date: 11.02.2021

### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane			50 - 100 %
	216-823-5	603-073-00-2	01-2119456619-26	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411			
9003-36-5	formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol			5 - 7 %
	500-006-8		01-2119454392-40	
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411			
2530-83-8	trimethoxy[3-(oxiran-2-ylmethoxy)propyl]silane			1 - 3 %
	219-784-2		01-2119513212-58	
	Eye Dam. 1, Aquatic Chronic 3; H318 H412			

Full text of H and EUH statements: see section 16.

### Specific concentration limits and M-factors

CAS No	EC No	Chemical name	Quantity
	Specific concentration limits and M-factors		
1675-54-3	216-823-5	bis-[4-(2,3-epoxipropoxy)phenyl]propane	50 - 100 %
	Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Contains epoxy constituents. May produce an allergic reaction. Consult a doctor if symptoms persist. Avoid contact with eyes, skin and clothing.

#### After inhalation

Take the affected person into fresh air and ensure that they can breathe freely. If breathing arrest occurs, give artificial respiration immediately. Call a doctor. Avoid direct skin contact. Use protection against contact while mouth-to-mouth resuscitation.

#### After contact with skin

Wash immediately with water and soap, rinse thoroughly. Remove contaminated clothing.

#### After contact with eyes

Rinse gently with water for a few minutes. Remove any existing contact lenses if possible. Continue rinsing. Never use force to open glued eyes. Do not forcibly remove contact lenses.

#### After ingestion

Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Drink a lot of water. Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

May adhere the throat and cause shortness of breath. May adhere eyelids.  
May cause coughing, shortness of breath, headache, nausea, vomiting, eye damage / irritation.  
Irritation may occur after mechanical removal of the adhesive.  
For further information on symptomatology, see sections 2 and 11.

### 4.3. Indication of any immediate medical attention and special treatment needed

May cause sensitization in susceptible individuals. Treat symptomatically.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## **DUO MIX EPOXY-KLEBER (Harzkomponente)**

Revision date: 11.02.2021

Product code: MIX25A

Page 4 of 14

Creation date: 11.02.2021

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Water spray jet, Extinguishing powder, Sand, Carbon dioxide (CO<sub>2</sub>)  
Co-ordinate fire-fighting measures to the fire surroundings.

##### **Unsuitable extinguishing media**

Full water jet

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

Thermal decomposition may release irritating and toxic gases and vapors.  
The following substances can develop in the event of intensive heating / fire: Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>) or other hazardous combustion products.

#### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

##### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.  
Do not allow entering drains or surface water.

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

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

Keep out of the reach of children. Avoid contact with eyes, skin and clothing. Wear protective gloves / protective clothing / eye protection / face protection.

#### **6.2. Environmental precautions**

Do not let it get into subterranean water, water bodies or sewage systems.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
or:  
Take up mechanically, placing in appropriate containers for disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

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

#### **7.1. Precautions for safe handling**

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

Handling chemicals always requires caution.  
Ensure good ventilation. Avoid aerosol formation.  
Avoid contact with eyes, skin and clothing.  
Wash hands thoroughly before breaks / end of work.  
Do not eat, drink, smoke or sniff at work.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Read label before use.  
Keep out of the reach of children.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 5 of 14

Creation date: 11.02.2021

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

#### Requirements for storage rooms and vessels

- Keep container tightly closed.
- Keep locked up and out of reach of children.
- Store in a dry, well-ventilated place.
- Recommended storage temperature: 5 - 25 °C
- Protect from frost, heat and direct sunlight.

#### Hints on joint storage

- Do not store together with strong oxidizing agents.
- Tenere lontano da cibo e bevande.

### 7.3. Specific end use(s)

resin component of a two-component adhesive system

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane			
Consumer DNEL, long-term		dermal	systemic	0,0893 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	4,93 mg/m³
Worker DNEL, long-term		dermal	systemic	0,75 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,87 mg/m³
9003-36-5	formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol			
Worker DNEL, long-term		dermal	systemic	104,15 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	29,39 mg/m³
2530-83-8	trimethoxy[3-(oxiran-2-ylmethoxy)propyl]silane			
Worker DNEL, long-term		inhalation	systemic	70,5 mg/m³
Worker DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	17 mg/m³
Consumer DNEL, acute		inhalation	systemic	26400 mg/m³
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 6 of 14

Creation date: 11.02.2021

### PNEC values

CAS No	Substance	
	Environmental compartment	Value
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	
	Freshwater	0,006 mg/l
	Freshwater (intermittent releases)	0,018 mg/l
	Marine water	0,001 mg/l
	Freshwater sediment	0,341 mg/kg
	Marine sediment	0,034 mg/kg
	Secondary poisoning	11 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10 mg/l
	Soil	0,065 mg/kg
9003-36-5	formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	
	Freshwater	0,003 mg/l
	Marine water	0,0003 mg/l
	Freshwater sediment	0,294 mg/kg
	Marine sediment	0,0294 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10 mg/l
	Soil	0,237 mg/kg
2530-83-8	trimethoxy[3-(oxiran-2-ylmethoxy)propyl]silane	
	Freshwater	0,45 mg/l
	Freshwater (intermittent releases)	0,45 mg/l
	Marine water	0,045 mg/l
	Freshwater sediment	1,6 mg/kg
	Marine sediment	0,16 mg/kg
	Micro-organisms in sewage treatment plants (STP)	8,2 mg/l
	Soil	0,063 mg/kg

### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls



#### Appropriate engineering controls

Ensure good ventilation at the workplace.

#### Protective and hygiene measures

Avoid contact with eyes, skin and clothing.

Remove contaminated clothing.

Wash hands thoroughly before breaks / end of work.

Do not eat, drink, smoke or sniff at work.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 7 of 14

Creation date: 11.02.2021

### Eye/face protection

Suitable eye protection: Tightly fitting protective goggles according to EN 166.

### Hand protection

Use chemical-resistant gloves with CE-marking and a four-digit test number.

Glove material: Nitrile rubber - layer thickness:  $\geq 0.1$  mm

Breakthrough time (maximum wearing time):  $> 480$  min.

The information provided by the manufacturer of the protective gloves on permeability and breakthrough times must be observed.

When the first signs of wear appear, the protective gloves should be replaced.

### Skin protection

Depending on the type of application.

### Respiratory protection

Required when limit values are exceeded.

Provide good ventilation.

Do not breathe gas/fumes/vapour/spray.

In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls

In case of contamination of sewage system / surface water / ground water, inform the responsible authorities.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	light yellow
Odour:	amine like
Odour threshold:	not determined
pH-Value:	not applicable

### Changes in the physical state

Initial boiling point and boiling range:  $> 200$  °C

Flash point:  $150$  °C

### Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

### Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not applicable

Vapour pressure: not applicable

Density (at  $25$  °C):  $1,15$  g/cm<sup>3</sup>

Water solubility: Immiscible

Partition coefficient: not applicable

Viscosity / dynamic:  
(at  $25$  °C)  $10000$  mPa·s

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 8 of 14

Creation date: 11.02.2021

Vapour density:

not determined

Evaporation rate:

not determined

### 9.2. Other information

Solid content:

not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

For further information on storage see section 7.

### 10.2. Chemical stability

Stable when stored and handled as directed.

### 10.3. Possibility of hazardous reactions

Not determined.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

Avoid release into the environment.

### 10.5. Incompatible materials

Contact with the following materials leads to strong exothermic reactions: Strong oxidizing agents.

### 10.6. Hazardous decomposition products

The following substances can develop in the event of intensive heating / fire: Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>) or other hazardous combustion products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2007)	OECD Guideline 420
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2007)	OECD Guideline 402
9003-36-5	formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol				
	oral	LD50 > 10000 mg/kg	rat		
	dermal	LD50 > 2000 mg/kg	rat		
2530-83-8	trimethoxy[3-(oxiran-2-ylmethoxy)propyl]silane				
	oral	LD50 16900 mg/kg	Rat	Study report (1978)	OECD Guideline 401

### Irritation and corrosivity

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## **DUO MIX EPOXY-KLEBER (Harzkomponente)**

Revision date: 11.02.2021

Product code: MIX25A

Page 9 of 14

Creation date: 11.02.2021

Causes skin irritation.

Causes serious eye irritation.

### **Sensitising effects**

May cause an allergic skin reaction. (bis-[4-(2,3-epoxipropoxy)phenyl]propane; formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol)

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

Based on available data, the classification criteria are not met.

### **STOT-single exposure**

Based on available data, the classification criteria are not met.

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

No animal testing has been carried out with the product.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Schädlich für Wasserorganismen, mit langfristiger Wirkung.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 10 of 14

Creation date: 11.02.2021

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane					
	Acute fish toxicity	LC50 3,6 mg/l	96 h	Oncorhynchus mykiss	Study report (1982)	OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2007)	OECD Guideline 201
	Acute crustacea toxicity	EC50 51,8 mg/l	48 h	Daphnia magna	Study report (2006)	OECD Guideline 202
	Crustacea toxicity	NOEC 0,3 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
9003-36-5	formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol					
	Acute fish toxicity	LC50 2,54 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 1,8 mg/l	72 h			
	Acute crustacea toxicity	EC50 2,55 mg/l	48 h	Daphnia magna		
2530-83-8	trimethoxy[3-(oxiran-2-ylmethoxy)propyl]silane					
	Acute fish toxicity	LC50 55 mg/l	96 h	Cyprinus carpio	REACH Registration Dossier	EU Method C.1
	Acute algae toxicity	ErC50 350 mg/l	96 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 324 mg/l	48 h	Simocephalus vetulus	REACH Registration Dossier	USEPA. 1975. Methods for Acute Toxicity
	Crustacea toxicity	NOEC >= 100 mg/l	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
	Acute bacteria toxicity	(> 100 mg/l)	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	OECD Guideline 209

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	>= 2,64
2530-83-8	trimethoxy[3-(oxiran-2-ylmethoxy)propyl]silane	0,5

### BCF

CAS No	Chemical name	BCF	Species	Source
1675-54-3	bis-[4-(2,3-epoxipropoxy)phenyl]propane	31		Study report (2010)

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 11 of 14

Creation date: 11.02.2021

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

Not applicable.

### 12.6. Other adverse effects

No information available.

### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of contents / container in accordance with local regulations.

#### List of Wastes Code - residues/unused products

080409 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 containing organic solvents or other hazardous substances; hazardous waste

#### List of Wastes Code - used product

080409 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 containing organic solvents or other hazardous substances; hazardous waste

#### Contaminated packaging

Clean mechanically. Completely emptied packages can be recycled.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number:

UN 3082

#### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### 14.3. Transport hazard class(es):

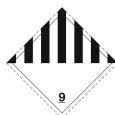
9

#### 14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 12 of 14

Creation date: 11.02.2021

Tunnel restriction code:

-

### Inland waterways transport (ADN)

**14.1. UN number:**

UN 3082

**14.2. UN proper shipping name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3. Transport hazard class(es):**

9

**14.4. Packing group:**

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

### Marine transport (IMDG)

**14.1. UN number:**

UN 3082

**14.2. UN proper shipping name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3. Transport hazard class(es):**

9

**14.4. Packing group:**

III

Hazard label:

9



Special Provisions:

274, 335, 969

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-F

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:**

UN 3082

**14.2. UN proper shipping name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**14.3. Transport hazard class(es):**

9

**14.4. Packing group:**

III

Hazard label:

9



Special Provisions:

A97 A158 A197

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y964

Excepted quantity:

E1

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 13 of 14

Creation date: 11.02.2021

### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC): 0,00%

2004/42/EC (VOC): 0,00%

Information according to 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

### SECTION 16: Other information

#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

BINDULIN-WERK H.L.Schönleber GmbH

gegr. 1937  
**BINDULIN-WERK**



## DUO MIX EPOXY-KLEBER (Harzkomponente)

Revision date: 11.02.2021

Product code: MIX25A

Page 14 of 14

Creation date: 11.02.2021

### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

### Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Further Information

Copyright 2021, BINDULIN-WERK, H.L.Schönleber GmbH, Wehlauer Str. 49-59, D-90766 Fürth

The information contained in this safety sheet is based on the state of our knowledge at the time of revision / creation and is provided by us to the best of our knowledge and belief. They correspond to our current level of knowledge, come from recognized sources and are state of the art at the time indicated. They are used to describe our products with regard to the safety precautions to be taken. They do not represent any assurance of properties of the product described, product information or product specification and do not establish a contractual legal relationship. The product may not be used for any purpose other than that specified in Section 1 without written approval. The user is responsible for compliance with all necessary legal regulations. BINDULIN-WERK does not take any liability whatsoever from the use of the product described here, as the given working conditions of the user are beyond our knowledge and control.