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

### 1.1 Product identifier

Identification on the label/Trade name

label designation/Name of product

Korodur TXPK Component A

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

Relevant identified uses

**Sector of uses [SU]**

chemical products for construction and industry

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Korodur Westphal Hartbeton GmbH & Co.

Hohensteinstr. 19

Germany-44866 Bochum

P.O. Box:

Telephone: +492327/9457-0

E-mail: info@korodur.de

Dept. responsible for information: Technik

Emergency telephone number: +492327/9457-0

www.korodur.de

### 1.4 Emergency telephone number

No data available

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

**Health hazards:**

**health hazards**

Skin Irrit. 2

**hazard statements for health hazards**

H315 Causes skin irritation.

**health hazards**

Eye Irrit. 2

**hazard statements for health hazards**

H319 Causes serious eye irritation.

**health hazards**

Skin Sens. 1

**hazard statements for health hazards**

H317 May cause an allergic skin reaction.

**Environmental hazards:**

**Environmental hazards**

Aquatic Chronic 2

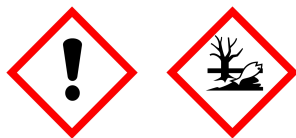
**hazard statements for environmental hazards**

H411 Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms



GHS07

GHS09

#### Signal word

Warning

#### Hazard Statements:

##### Hazard statements for health hazards:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

##### Hazard statements for environmental hazards:

H411 Toxic to aquatic life with long lasting effects.

#### Precautionary Statements:

##### Prevention:

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Product identifiers

Mixtures

#### Special rules for supplemental label elements for certain mixtures

Contains epoxy constituents. May produce an allergic reaction.

## 2.3 Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.1/3.2 Preparation related information

#### Hazardous ingredients

Bisphenol-A-epichlorohydrinresin	50 - <75 %
CAS 25068-38-6	
EC 500-033-5	
REACHNo 01-2119456619-26	
Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411	
Bisphenol-F-epichlorohydrinresin	10 - <25 %
CAS 9003-36-5	
EC 500-006-8	
REACHNo 012119454392-40	
Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411	
Oxirane	10 - <25 %
CAS 68609-97-2	
EC 271-846-8	
REACHNo 01-2119485289-22	
Skin Irrit. 2, H315 / Skin Sens. 1, H317	



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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove affected person from the danger area and lay down. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest.

#### Following skin contact

In case of skin irritation, consult a physician. After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting.

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

#### Effects

Allergic reactions

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

#### Notes for the doctor

Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam

Water spray

Carbon dioxide (CO<sub>2</sub>)

Dry extinguishing powder

#### Unsuitable extinguishing media

Full water jet

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

#### Hazardous combustion products

Carbon monoxide.

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

#### Personal precautions

Use personal protection equipment. See protective measures under point 7 and 8. Provide adequate ventilation.



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### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Cover drains.

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

#### For containment

#### Suitable material for taking up:

Sand  
Kieselguhr  
Universal binder

### 6.4 Reference to other sections

Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on general occupational hygiene

Wash contaminated clothing immediately. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Street clothing should be stored separately from work clothing.

#### Protective measures

#### Advices on safe handling

Never use pressure to empty container. Working places should be designed to allow cleaning at any time. Wear personal protection equipment (see chapter 8). Do not breathe gas/fumes/vapour/spray.

#### Measures to prevent fire

Keep away from sources of ignition. - No smoking.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

#### Materials to avoid

Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Protect against:

Frost  
Humidity  
Heat

### 7.3 Specific end use(s)

#### Recommendation

Observe technical data sheet.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

#### Personal protection equipment

#### Eye/face protection

#### Suitable eye protection:

Tightly sealed safety glasses.



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**Skin protection**

**Skin protection**

**Suitable material:**

NBR (Nitrile rubber)  
Butyl caoutchouc (butyl rubber)

**Body protection:**

**Suitable protective clothing:**

Disposable suit  
Protective apron

**Respiratory protection**

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state**

liquid

**Colour**

transparent

**Odour**

characteristic

	parameter	Method - source - remark
pH		No data available
Melting point/freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point (°C)	>95 °C	
Evaporation rate		No data available
Flammable solids		No data available
Flammable aerosols		No data available
Upper explosion limit (Vol-%)		No data available
Lower explosion limit (Vol-%)		No data available
Vapour pressure		No data available
Density	ca.1,1 g/cm <sup>3</sup> at °C: 23 °C	
Vapour density		No data available
Fat solubility (g/L)		No data available
Water solubility (g/L)		No data available



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parameter	Method - source - remark
Soluble (g/L) in	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Explosives	No data available
Oxidising gases	No data available
Oxidising liquids	No data available
Oxidising solids	No data available
Dynamic viscosity	ca.900 mPa*s at °C: 23 °C
flow time	No data available
Kinematic viscosity	No data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Gases/vapours, irritant

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Acute dermal toxicity

**ingredient** Bisphenol-A-epichlorohydrinresin

**Acute toxicity, dermal** 23000 mg/kg



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**Effective dose**

LD50:

**Species:**

Rabbit.

**ingredient** Bisphenol-F-epichlorohydrinresin

**Acute toxicity, dermal** >2000 mg/kg

**Effective dose**

LD50:

**Species:**

Rabbit.

**Acute oral toxicity**

**ingredient** Bisphenol-A-epichlorohydrinresin

**Acute toxicity, oral** 15000 mg/kg

**Effective dose**

LD50:

**Species:**

Rat.

**ingredient** Bisphenol-F-epichlorohydrinresin

**Acute toxicity, oral** >10000 mg/kg

**Effective dose**

LD50:

**Species:**

Rat.

**skin corrosion/irritation**

**Skin corrosion**

**Assessment/classification**

Causes skin irritation.

**Respiratory or skin sensitisation**

**Skin sensitisation**

**Assessment/classification**

May cause an allergic skin reaction.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

**Acute (short-term) fish toxicity**

**ingredient** Bisphenol-A-epichlorohydrinresin

**Acute (short-term) fish toxicity** 2 mg/l

**Effective dose**

LC50:

**Test duration** 96 h

**species**

Leuciscus idus (golden orfe)

**ingredient** Bisphenol-F-epichlorohydrinresin

**Acute (short-term) fish toxicity** 2,54 mg/l



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**Effective dose**

LC50:

**Test duration** 96 h

**species**

Leuciscus idus (golden orfe)

**Acute (short-term) toxicity to crustacea**

**ingredient** Bisphenol-A-epichlorohydrinresin

**Acute (short-term) toxicity to crustacea** 1,8 mg/l

**Effective dose**

EC50

**Test duration** 48 h

**species**

Daphnia pulex (water flea)

**ingredient** Bisphenol-F-epichlorohydrinresin

**Acute (short-term) toxicity to crustacea** 2,55 mg/l

**Effective dose**

EC50

**Test duration** 48 h

**species**

Daphnia pulex (water flea)

**Acute (short-term) toxicity to aquatic algae and cyanobacteria**

**ingredient** Bisphenol-A-epichlorohydrinresin

**Acute (short-term) toxicity to aquatic algae and cyanobacteria** 11 mg/l

**Effective dose**

ErC50:

**Test duration** 72 h

**ingredient** Bisphenol-F-epichlorohydrinresin

**Acute (short-term) toxicity to aquatic algae and cyanobacteria** 1,8 mg/l

**Effective dose**

ErC50:

**Test duration** 72 h

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

**Partition coefficient: n-octanol/water**

**ingredient** Bisphenol-A-epichlorohydrinresin

**Distribution coefficient (n-octanol / water) (log P O/W):** 3,242

**ingredient** Bisphenol-F-epichlorohydrinresin

**Distribution coefficient (n-octanol / water) (log P O/W):** 3,6

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

No data available





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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Appropriate disposal / Package**

**Contaminated packaging:**

Completely emptied packings can be re-cycled. Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	3082	3082	3082
14.2 Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)
14.3 Class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 ENVIRONMENTALLY HAZARDOUS	Yes.	Yes.	Yes.
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable	not applicable

**Additional information - Land transport (ADR/RID)**

Hazard label(s) 9  
Limited quantity (LQ) 5 L  
Hazard identification number (Kemler No.) 90  
tunnel restriction code E  
transport category 3

**Additional information - Sea transport (IMDG)**

Marine pollutant Yes.

**Additional information - Air transport (ICAO-TI / IATA-DGR)**

Limited quantity (LQ) 30



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## SECTION 15: Regulatory information

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

#### EU legislation

#### Other regulations (EU)

#### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

##### VOC product category:

Paints and varnishes

##### VOC subcategory of the product:

Two-pack performance coatings

VOC-value (in g/L): <500 g/l

#### National regulations

#### Germany

#### Water hazard class (WGK)

wassergefährdend (WGK 2)

#### source

Classification according to VwVwS, Annex 4.

### 15.2 Chemical Safety Assessment

No data available

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## SECTION 16: Other information

### Relevant R-, H- and EUH-phrases (Number and full text)

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.

### Key literature references and sources for data

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