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 B

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

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
Acute Tox. 4

hazard statements for health hazards
H302 Harmful if swallowed.

health hazards
Skin Corr. 1B

hazard statements for health hazards
H317 May cause an allergic skin reaction.

health hazards
Eye Dam. 1

hazard statements for health hazards
H314 Causes severe skin burns and eye damage.

health hazards
Skin Sens. 1

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 GHS05

Signal word

Danger

Hazard Statements:

Hazard statements for health hazards:

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Hazard statements for environmental hazards:

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention:

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

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/.

Product identifiers

Mixtures

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Preparation related information

Hazardous ingredients

3-aminomethyl-3,5,5-trimethylcyclohexylamine 5 - <10 %
CAS 2855-12-2
EC 220-666-8
Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Eye Dam. 1, H318 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412

Reaction products of propoxylated propane-1,2-diol, by amination of the terminal hydroxyl groups 10 - <25 %
CAS 9046-10-0
EC 618-561-0
Skin Corr. 1C, H314 / Eye Dam. 1, H318 / Aquatic Chronic 2, H411

Styrenated phenol 25 - <50 %
CAS 61788-44-1
EC 262-975-0
Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411

polymer based dipropylenetriamine 10 - <25 %
Acute Tox. 4, H332 / Skin Corr. 1B, H314 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / Eye Dam. 1, H318

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
Gastrointestinal complaints

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
alcohol resistant foam
Water spray
Carbon dioxide (CO2)
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 (CO2)
Nitrogen oxides (NOx)

5.3 Advice for firefighters

Special protective equipment for firefighters:
In case of fire: Wear self-contained breathing apparatus.

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.

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

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.

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.

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

		parameter	Method - source - remark
Lower explosion limit (Vol-%)			No data available
Vapour pressure			No data available
Density	ca.1 g/cm³	at °C: 23 °C	
Vapour density			No data available
Fat solubility (g/L)			No data available
Water solubility (g/L)			No data available
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.350 mPa*s	at °C: 23 °C	
flow time			No data available
Kinematic viscosity			No data available

9.2 Other safety information
No data available

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute dermal toxicity

ingredient Reaction products of propoxylated propane-1,2-diol, by amination of the terminal hydroxyl groups
Acute toxicity, dermal 2980 mg/kg
Effective dose
LD50:
Species:
Rabbit.
ingredient polymer based dipropylenetriamine
Acute toxicity, dermal 1100 mg/kg
Effective dose
ATEmix calculated:
ingredient 3-aminomethyl-3,5,5-trimethylcyclohexylamine
Acute toxicity, dermal 1100 mg/kg
Effective dose
ATEmix calculated:

Acute inhalation toxicity (vapour)

ingredient polymer based dipropylenetriamine
Acute inhalation toxicity (vapour) 11 mg/kg
Effective dose
ATEmix calculated:

Acute oral toxicity

ingredient Reaction products of propoxylated propane-1,2-diol, by amination of the terminal hydroxyl groups
Acute toxicity, oral 2885 mg/kg
Effective dose
LD50:
Species:
Rat.
ingredient polymer based dipropylenetriamine
Acute toxicity, oral 500 mg/kg
Effective dose
ATEmix calculated:
ingredient 3-aminomethyl-3,5,5-trimethylcyclohexylamine
Acute toxicity, oral 1030 mg/kg
Effective dose
LD50:
Species:
Rat.

skin corrosion/irritation

Skin corrosion

Assessment/classification
Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

Skin sensitisation

Assessment/classification

May cause an allergic skin reaction. May cause sensitization by skin contact.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Acute (short-term) fish toxicity 110 mg/l

Effective dose

LC50:

Test durarion 96 h

species

Leuciscus idus (golden orfe)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

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

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

This substance does not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

No data available

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.	2735	2735	2735
14.2 Proper Shipping Name	AMINES, LIQUID, CORROSIVE, N.O.S.	AMINES, LIQUID, CORROSIVE, N.O.S. (Polyetherdiamine, Phenol)	Amines, liquid, corrosive, n.o.s. (Polyetherdiamine, Phenol)

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.3 Class(es)	8	8	8
14.4 Packing group	III	III	III
14.5 ENVIRONMENTALLY HAZARDOUS	No	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) 8
Limited quantity (LQ) 5 L
Hazard identification number (Kemler No.) 80
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) 1

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

SECTION 16: Other information

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

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful 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.