

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Pavement fixing hardener component

Print date: 02.12.2015

Product code: 169

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

1.1. Product identifier

Pavement fixing hardener component

Further trade names

Pavement fixing hardener component

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

1.3. Details of the supplier of the safety data sheet

Company name:	KORODUR	
	Westphal Hartbeton GmbH & Co. KG	
Street:	Hohensteinstraße 19	
Place:	D-44866 Bochum- Wattenscheid	
Telephone:	+49(0)2327/94570	Telefax: +49(0)2327/321084
e-mail:	info@korodur.de	
Contact person:	Sander	Telephone: +49(0)2327/9457-17
e-mail:	f.sander@korodur.de	
Internet:	www.korodur.de	

1.4. Emergency telephone number:

+49(0)2327/94570

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard Statements:
Harmful if swallowed, in contact with skin or if inhaled.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.

2.2. Label elements

Signal word: Danger
Pictograms: GHS05-GHS07



Hazard statements

H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

Precautionary statements

P337+P313	If eye irritation persists: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P102	Keep out of reach of children.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	> 10 %
2855-13-2	C - Corrosive, Xn - Harmful R21/22-34-43-52-53	
612-067-00-9	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H317 H412	
246-672-0	nonylphenol	5 - 15 %
25154-52-3	Repr. Cat. 3, C - Corrosive, Xn - Harmful, N - Dangerous for the environment R62-63-22-34-50-53	
601-053-00-8	Repr. 2, Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H361fd H302 H314 H400 H410	
202-859-9	benzyl alcohol	15 - 30 %
100-51-6	Xn - Harmful R20/22	
603-057-00-5	Acute Tox. 4, Acute Tox. 4; H332 H302	
	m-Xylylendiamin, C	10 - 15 %
1477-55-0	C - Corrosive, Xn - Harmful R20/21/22-34-43-53	
	Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H331 H302 H312 H314 H318 H317 H412	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove casualty to fresh air and keep warm and at rest. Immediately get medical attention.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

 Water. Foam. Carbon dioxide (CO₂). Extinguishing powder. Sand. Extinguishing materials should be selected according to the surrounding area.

Unsuitable extinguishing media

High power water jet.



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5.2. Special hazards arising from the substance or mixture

Carbon monoxide. Carbon dioxide (CO₂). Gase

5.3. Advice for firefighters

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

Additional information

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

Wear personal protection equipment.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Suitable material for diluting or neutralizing: sand sawdust. Universal binding agent. Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Gesetzliche Schutz- und Sicherheitsvorschriften befolgen. Nur in gut belüfteten Bereichen verwenden.

Advice on protection against fire and explosion

No special fire protection measures are necessary. Combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Handle and open container with care. Keep/Store only in original container. Protect against: heat. frost.
Do not store together with: Food and animal feedingstuff

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

refer to chapter 7. No further action is necessary.

8.2. Exposure controls

Appropriate engineering controls

Keine weiteren Angaben.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: Butyl rubber. NR (Natural rubber (Caoutchouc), Natural latex).

Skin protection

Protective clothing: Chemical resistant safety shoes.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid:
Colour: light brown

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Odour: characteristic

Test method

pH-Value (at 20 °C): ca. 10

Changes in the physical state

Melting point: nicht bestimmt

Initial boiling point and boiling range: > 100 bei 1013 hPa °C

Flash point: ca. 150 °C

Vapour pressure:
(at 20 °C) < 0,1 hPa hPaDensity (at 20 °C): 1,04 g/cm³ DIN 51757 g/cm³

Water solubility: highly soluble.

Solvent separation test: nicht anwendbar

SECTION 10: Stability and reactivity**10.3. Possibility of hazardous reactions**

Säuren, stark exotherme Reaktionen mit Epoxidharzen möglich.

10.4. Conditions to avoid

Vorsorge zur Vermeidung elektrischer Aufladung treffen.

10.6. Hazardous decomposition products

nicht bekannt.

Further information

Bei Einhaltung der vorgeschriebenen Anwendungsbedingungen besteht keine Gefahr der Zersetzung oder unkontrollierter chemischer Reaktionen.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

After skin contact: sensitizing.

Acute toxicity

Aufgrund des Gehaltes von ätzend eingestuft Komponenten muß mit ätzender Wirkung des Produktes auf Haut und Augen gerechnet werden.

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine				
	oral	LD50	1030 mg/kg	Rat	
	dermal	ATE	1100 mg/kg		
25154-52-3	nonylphenol				
	oral	ATE	500 mg/kg		
100-51-6	benzyl alcohol				
	oral	LD50	1230 mg/kg	Rat	GESTIS
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
1477-55-0	m-Xylylendiamin, C				
	oral	ATE	500 mg/kg		
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	3 mg/l		
	inhalative aerosol	ATE	0,5 mg/l		

Irritation and corrosivity

After skin contact: corrosive.

SECTION 12: Ecological information
12.1. Toxicity

If product enters soil, it will be mobile and may contaminate groundwater

12.3. Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	1,9
100-51-6	benzyl alcohol	1,05

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

Carry out a burning of hazardous waste according to official regulations. Waste key product: 200112 (Klebstoffe und Kunstharze)

SECTION 14: Transport information
Land transport (ADR/RID)
14.1. UN number: UN 2735

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8

Inland waterways transport (ADN)
14.1. UN number: UN 2735

14.3. Transport hazard class(es): 8

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14.4. Packing group: III

Hazard label: 8

Marine transport (IMDG)**14.1. UN number:** UN 2735**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label: 8

Marine pollutant: Ja

Air transport (ICAO)**14.1. UN number:** UN 2735**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 3 - highly water contaminating

SECTION 16: Other information**Relevant R-phrases (Number and full text)**

20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
20/22	Harmful by inhalation and if swallowed.
21/22	Harmful in contact with skin and if swallowed.
22	Harmful if swallowed.
34	Causes burns.
43	May cause sensitisation by skin contact.
50	Very toxic to aquatic organisms.
52	Harmful to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
62	Possible risk of impaired fertility.
63	Possible risk of harm to the unborn child.

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

H302	Harmful if swallowed.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on

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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.

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