

Revision Date: 05.01.2023	01.2023

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

#### 1.1 Product identifier

Trade name : Parex<sup>®</sup> Epoxy 200 Grout (B)

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

Product use : Epoxy-Cementitious system

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

Company name of supplier	:	Sika Limited
		Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person	:	EHS@uk.sika.com
responsible for the SDS		-

#### **1.4 Emergency telephone number**

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

· · · · · ·	
Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the un- born child.
Specific target organ toxicity - repeated exposure, Category 1 Long-term (chronic) aquatic hazard, Cat-	H372: Causes damage to organs through pro- longed or repeated exposure. H412: Harmful to aquatic life with long lasting ef-
egory 3	fects.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

Signal word

: Danger



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Hazard statements	: H314 H317 H361 H372 H412	Causes severe skin bur May cause an allergic s Suspected of damaging child. Causes damage to orga or repeated exposure. Harmful to aquatic life w fects.	kin reaction. fertility or the unborn ans through prolonged
Precautionary statements	: <b>Prevention:</b> P201 P260 P280	Obtain special instruction Do not breathe dust/ fur pours/ spray. Wear protective gloves/ eye protection/ face pro	ne/ gas/ mist/ va- protective clothing/
	<b>Response:</b> P303 + P361 P304 + P340 P305 + P351	ately all contaminated c with water.	nove person to fresh e for breathing. Im- N CENTER/ doctor. ES: Rinse cautiously inutes. Remove con- nd easy to do. Con-

#### Hazardous components which must be listed on the label:

Amines, polyethylenepoly-, triethylenetetramine fraction 2-piperazin-1-ylethylamine Phenol, styrenated

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Amines, polyethylenepoly-, tri- ethylenetetramine fraction Contains: 2-(2-aminoethylamino)ethanol <= 0,3 %	90640-67-8 292-588-2 01-2119487919-13- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412 EUH071EUH071 Acute toxicity esti- mate Acute oral toxicity: 1.716 mg/kg Acute dermal toxicity: 1.465 mg/kg	>= 40 - < 60
benzyl alcohol	100-51-6 202-859-9 01-2119492630-38- XXXX	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 Acute toxicity esti- mate Acute oral toxicity: 1.620 mg/kg Acute inhalation tox- icity (dust/mist): 4,178 mg/l	>= 10 - < 20



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2-piperazin-1-ylethylamine Contains: 2-(2-aminoethylamino)ethanol <= 0,29 %	140-31-8 205-411-0 01-2119471486-30- XXXX	Repr. 2; H361 STOT RE 1; H372 Acute Tox. 4; H302 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412 Acute toxicity estimate	>= 10 - < 20
		Acute oral toxicity: 1.999 mg/kg Acute dermal toxicity: 866 mg/kg	
2,4,6- tris(dimethylaminomethyl)phenol Contains: bis[(dimethylamino)methyl]phenol <= 15 %	90-72-2 202-013-9 01-2119560597-27- XXXX	Acute Tox. 4; H302 Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 2,5 - < 3
Phenol, styrenated	61788-44-1 262-975-0 01-2119980970-27- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 2,5 - < 5

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	:	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficul- ty.
In case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- sue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



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		Continue rinsing eyes during transport to Remove contact lenses. Keep eye wide open while rinsing.	o hospital.
If swallowed	:	Do not induce vomiting without medical Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unc	
4.2 Most important symptom	s and ef	ffects, both acute and delayed	
Symptoms	:	Allergic reactions Dermatitis See Section 11 for more detailed information and symptoms.	ation on health effects
Risks	:	Health injuries may be delayed. corrosive effects sensitising effects	
		May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging fertility or the ur	
		Causes damage to organs through proto exposure. Causes severe burns.	
1.3 Indication of any immedia Treatment	ate med :	exposure.	
-	:	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically.	
Treatment	:	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically.	
Treatment SECTION 5: Firefighting m	: neasure	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically.	eeded
Treatment SECTION 5: Firefighting m 5.1 Extinguishing media	: neasure	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically. es In case of fire, use water/water spray/wa ide/sand/foam/alcohol resistant foam/ch extinction.	eeded
Treatment SECTION 5: Firefighting m 5.1 Extinguishing media Suitable extinguishing me 5.2 Special hazards arising fi	: neasure dia : rom the	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically. es In case of fire, use water/water spray/wa ide/sand/foam/alcohol resistant foam/ch extinction.	eeded ater jet/carbon diox- emical powder for
Treatment SECTION 5: Firefighting m 5.1 Extinguishing media Suitable extinguishing me 5.2 Special hazards arising fu Hazardous combustion pr	: neasure dia : rom the	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically. In case of fire, use water/water spray/wa ide/sand/foam/alcohol resistant foam/ch extinction. substance or mixture	eeded ater jet/carbon diox- emical powder for
Treatment SECTION 5: Firefighting m 5.1 Extinguishing media Suitable extinguishing me 5.2 Special hazards arising for Hazardous combustion pro- ucts	: dia : rom the od- :	exposure. Causes severe burns. ical attention and special treatment ne Treat symptomatically. In case of fire, use water/water spray/wa ide/sand/foam/alcohol resistant foam/ch extinction. substance or mixture	eeded ater jet/carbon diox- emical powder for known



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

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment.
		Deny access to unprotected persons.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
	Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

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

#### 7.1 Precautions for safe handling

	Advice on safe handling	:	Avoid exceeding the given occupational exposure limits (see section 8).
			Do not get in eyes, on skin, or on clothing. For personal protection see section 8.
			Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
			Smoking, eating and drinking should be prohibited in the application area.
			Follow standard hygiene measures when handling chemical products
	Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
7.2	Conditions for safe storage, ir	ncl	uding any incompatibilities
	Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord-



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	ance with local regulations.	
Further information on stor- : age stability	No decomposition if stored and applied as direc	xted.
7.3 Specific end use(s)		
SECTION 8: Exposure controls	personal protection	
8.1 Control parameters Contains no substances with oc	cupational exposure limit values.	
8.2 Exposure controls Personal protective equipmen	•	
Eye protection :		EN166
Hand protection	Chemical-resistant, impervious gloves complyir proved standard must be worn at all times wher chemical products. Reference number EN 374. facturer specifications.	n handling
	Suitable for short time use or protection against Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	splashes:
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to El long-sleeved working clothing, long trousers). R and protective boots are additionaly recommen- and stirring work.	Rubber aprons
	No special measures required.	
Environmental exposure cont		
General advice	Do not flush into surface water or sanitary sever If the product contaminates rivers and lakes or respective authorities.	

### **SECTION 9: Physical and chemical properties**

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

Physical state Colour Odour		liquid light yellow, clear amine-like
Melting point/range / Freezing point	:	No data available



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Initial boiling point and boiling range	:	> 100 °C	
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or	exp	losive limits	
Upper explosion limit / Up- per flammability limit	:	Upper flammability limit 13 %(V)	
Lower explosion limit / Lower flammability limit	:	Lower flammability limit 1,3 %(V)	
Flash point	:	> 101 °C Method: closed cup	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	No data available	
Viscosity			
Viscosity, dynamic	:	ca. 30 mPa.s (20 °C)	
Viscosity, kinematic	:	No data available	
Solubility(ies)			
Water solubility	:	soluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,07 hPa	
Density	:	ca. 1,003 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information			

No data available

### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.



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Stable under recommended storage conditions.	
No data available	
No data available	
ducts	
applied as directed.	
	<b>ions</b> : Stable under recommended storage conditions. : No data available

### **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified based on available information.

#### **Components:**

#### Amines, polyethylenepoly-, triethylenetetramine fraction:

Acute oral toxicity	:	LD50 Oral (Rat): 1.716 mg/kg
		Acute toxicity estimate: 1.716 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Assessment: Corrosive to the respiratory tract.
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 1.465 mg/kg
		Acute toxicity estimate: 1.465 mg/kg Method: Calculation method
benzyl alcohol:		
Acute oral toxicity	:	LD50 Oral (Rat): 1.620 mg/kg
		Acute toxicity estimate: 1.620 mg/kg Method: Calculation method
Acute inhalation toxicity	:	LC50 (Rat): > 4,178 mg/l Exposure time: 4 h Test atmosphere: dust/mist



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	Acute toxicity estimate: 4,178 mg/l Test atmosphere: dust/mist Method: Calculation method	
2-piperazin-1-ylethylamine:		
Acute oral toxicity	LD50 Oral (Rat): > 1.999 mg/kg	
	Acute toxicity estimate: 1.999 mg/kg Method: Calculation method	
Acute dermal toxicity	LD50 Dermal (Rabbit): ca. 866 mg/kg	
	Acute toxicity estimate: 866 mg/kg Method: Calculation method	
2,4,6-tris(dimethylaminometh	vi)phenol:	
	LD50 (Rat): > 1.999 mg/kg Remarks: Harmful if swallowed. Annex VI - Harmonised REGULATION (EC) No 1272/2008	
Skin corrosion/irritation Causes severe burns.		
Components:		
2,4,6-tris(dimethylaminometh	yl)phenol:	
Species Assessment Method	Rabbit Corrosive OECD Test Guideline 404	
Assessment Remarks	irritating Annex VI - Harmonised REGULATION (EC) No 1272/2008	
<b>Serious eye damage/eye irrita</b> Causes serious eye damage.	tion	
Components:		
2,4,6-tris(dimethylaminometh	yl)phenol:	
Species Assessment	Rabbit Causes serious eye damage.	
Assessment Remarks	irritating Annex VI - Harmonised REGULATION (EC) No 1272/2008	



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#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### **Reproductive toxicity**

Suspected of damaging fertility or the unborn child.

### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

#### Aspiration toxicity

Not classified based on available information.

#### **11.2 Information on other hazards**

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

## Components:

#### benzyl alcohol:

Toxicity to fish	:	LC50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h

#### 2-piperazin-1-ylethylamine:

Toxicity to fish	:	LC50 (Fish): > 100 mg/l
		Exposure time: 96 h

#### 2,4,6-tris(dimethylaminomethyl)phenol:

Toxicity to algae/aquatic	:	EC50 (Scenedesmus capricornutum (fresh water algae)): > 10
plants		- 100 mg/l
		Exposure time: 72 h



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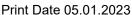
Revision Date: 05.01.2023 12.2 Persistence and degradability No data available 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available 12.5 Results of PBT and vPvB assessment Product: Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.. 12.6 Endocrine disrupting properties No data available 12.7 Other adverse effects Product: Additional ecological infor-: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. mation Harmful to aquatic life with long lasting effects. **SECTION 13: Disposal considerations** 13.1 Waste treatment methods Product The generation of waste should be avoided or minimized :

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the generation of waste should be avoided or minimized wherever possible.
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

#### 14.1 UN number or ID number





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ADR	UN 2735		
IMDG	UN 2735		
ΙΑΤΑ	UN 2735		
14.2 UN proper shipping name			
ADR		QUID, CORROSIVE, N.O yethylenepoly-, triethylen	
IMDG		QUID, CORROSIVE, N.O yethylenepoly-, triethylen	
ΙΑΤΑ		d, corrosive, n.o.s. yethylenepoly-, triethylen	etetramine fraction)
14.3 Transport hazard class(es)			
ADR	8		
IMDG	8		
ΙΑΤΑ	8		
14.4 Packing group			
<b>ADR</b> Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	II C7 80 8 (E)		
IMDG Packing group Labels EmS Code	(=) II 8 F-A, S-B		
<b>IATA (Cargo)</b> Packing instruction (cargo aircraft)	855		
Packing instruction (LQ) Packing group Labels	Y840 II Corrosive		
IATA (Passenger) Packing instruction (passen- ger aircraft)	851		
Packing instruction (LQ) Packing group Labels	Y840 II Corrosive		
14.5 Environmental hazards			
ADR			
<b>_</b>	no		



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#### IMDG

Marine pollutant : no IATA (Passenger)

Environmentally hazardous : no IATA (Cargo) Environmentally hazardous : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** Relevant EU provisions transposed through retained EU law

International Chemical Weapons Schedules of Toxic Chemicals ar		Not applicable
Regulation (EC) No 1005/2009 o plete the ozone layer	n substances that de- :	Not applicable
(VOCV)		for volatile organic compounds nds (VOC) content: 10% w/w
	emissions (integrated po	24 November 2010 on industrial llution prevention and control) nds (VOC) content: 10% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation
 specific for the substance or mixture:
 Environmental Protection Act 1990 & Subsidiary Regulations
 Control of Substances Hazardous to Health Regulations
 (COSHH)
 May be subject to the Control of Major Accident Hazards
 Regulations (COMAH), and amendments.

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.



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#### **SECTION 16: Other information**

Full text of H-Statements			
H302	: Harmful if swallowed.		
H311	: Toxic in contact with skin.		
H312			
H314	Harmful in contact with skin.		
	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H317	: May cause an allergic skin reaction.		
H318	Causes serious eye damage.		
H319	: Causes serious eye irritation.		
H332	: Harmful if inhaled.		
H361	: Suspected of damaging fertility or the unborn child.		
H372	: Causes damage to organs through prolonged or repeated		
	exposure.		
H412	: Harmful to aquatic life with long lasting effects.		
Full text of other abbreviations			
Acute Tox.	: Acute toxicity		
Aquatic Chronic	: Long-term (chronic) aquatic hazard		
Eye Dam.	: Serious eye damage		
Eye Irrit.	: Eye irritation		
Repr.	: Reproductive toxicity		
Skin Corr.	: Skin corrosion		
Skin Irrit.	: Skin irritation		
Skin Sens.	: Skin sensitisation		
STOT RE	: Specific target organ toxicity - repeated exposure		
ADR	European Agreement concerning the International Carriage of		
	Dangerous Goods by Road		
CAS	: Chemical Abstracts Service		
DNEL	: Derived no-effect level		
EC50	: Half maximal effective concentration		
GHS	Globally Harmonized System		
IATA	International Air Transport Association		
IMDG	International Maritime Code for Dangerous Goods		
LD50	: Median lethal dosis (the amount of a material, given all at		
LD30			
	once, which causes the death of 50% (one half) of a group of		
1.050	test animals)		
LC50	: Median lethal concentration (concentrations of the chemical in		
	air that kills 50% of the test animals during the observation		
	period)		
MARPOL	: International Convention for the Prevention of Pollution from		
	Ships, 1973 as modified by the Protocol of 1978		
OEL	: Occupational Exposure Limit		
PBT	: Persistent, bioaccumulative and toxic		
PNEC	: Predicted no effect concentration		
REACH	: Regulation (EC) No 1907/2006 of the European Parliament		
	and of the Council of 18 December 2006 concerning the Reg-		
	istration, Evaluation, Authorisation and Restriction of Chemi-		



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SVHC : vPvB :	cals (REACH), establishing a European Chen Substances of Very High Concern Very persistent and very bioaccumulative	nicals Agency	
Further information			
Classification of the mixture:	Classification proce	Classification procedure:	
Skin Corr. 1B H3	14 Calculation method		
Eye Dam. 1 H3	18 Calculation method		
Skin Sens. 1 H3	17 Calculation method		
Repr. 2 H3	61 Calculation method		
STOT RE 1 H3	72 Calculation method		
Aquatic Chronic 3 H4	12 Calculation method		

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version !

GB / EN