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

#### **1.1 Product identifier**

Trade name : Sika<sup>®</sup> Permacor<sup>®</sup>-3326 EG H Part A

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

Product use : Corrosion protection, For professional users only.

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

:	Sika Deutschland GmbH
	Kornwestheimer Str. 103-107
	D-70439 Stuttgart
:	+49 711 8009 0
:	EHS@de.sika.com
	:

#### 1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49(0)6132-84463

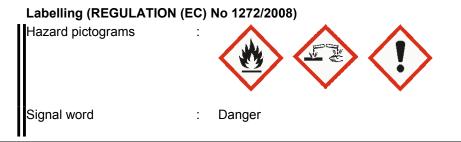
#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Cat- egory 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements



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	Hazard statements	:	H226 H315 H317 H318 H412	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.
	Precautionary statements	:	Prevention:	
			P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
			P261	Avoid breathing dust/ fume/ gas/ mist/ va- pours/ spray.
			P264	Wash skin thoroughly after handling.
			P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
			Response:	
			P305 + P351 + F	P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove con- tact lenses, if present and easy to do. Con- tinue rinsing. Immediately call a POISON CENTER/ doctor.
			P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

# Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane Phenol, methylstyrenated butan-1-ol

#### Additional Labelling

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

#### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 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)
bis-[4-(2,3- epoxipropoxi)phenyl]propane	1675-54-3 216-823-5 01-2119456619-26- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	>= 10 - < 20
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 μm]	13463-67-7 236-675-5 01-2119489379-17- XXXX	Carc. 2; H351	>= 10 - < 20
Phenol, methylstyrenated	Not Assigned 700-960-7 270-966-8 01-2119555274-38- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 10 - < 20
xylene Contains: ethylbenzene <= 25 %	1330-20-7 215-535-7 01-2119488216-32- XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 5 - < 10
butan-1-ol	71-36-3 200-751-6 01-2119484630-38- XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	>= 3 - < 5

For explanation of abbreviations see section 16.



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

<b>4.1 Description of first aid mea</b> General advice	<ul> <li>Sures</li> <li>Move out of dangerous area.</li> <li>Consult a physician.</li> <li>Show this safety data sheet to the doctor in attendance.</li> </ul>					
If inhaled	: Move to fresh air. Consult a physician after significant exposure.					
In case of skin contact	<ul> <li>Take off contaminated clothing and shoes immediately.</li> <li>Wash off with soap and plenty of water.</li> <li>If symptoms persist, call a physician.</li> </ul>					
In case of eye contact	<ul> <li>Small amounts splashed into eyes can cause irreversible tissue damage and blindness.</li> <li>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</li> <li>Continue rinsing eyes during transport to hospital.</li> <li>Remove contact lenses.</li> <li>Keep eye wide open while rinsing.</li> </ul>					
If swallowed	<ul> <li>Do not induce vomiting without medical advice.</li> <li>Rinse mouth with water.</li> <li>Do not give milk or alcoholic beverages.</li> <li>Never give anything by mouth to an unconscious person.</li> </ul>					
4.2 Most important symptoms	and effects, both acute and delayed					
Symptoms	<ul> <li>Allergic reactions</li> <li>Excessive lachrymation</li> <li>Erythema</li> <li>Dermatitis</li> <li>See Section 11 for more detailed information on health effects and symptoms.</li> </ul>					
Risks	: irritant effects sensitising effects					
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.					
4.3 Indication of any immediate	e medical attention and special treatment needed					

: Treat symptomatically.



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# **SECTION 5: Firefighting measures**

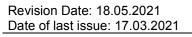
<b>5.1 Extinguishing media</b> Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical					
Unsuitable extinguishing media	:	Water High volume water jet					
5.2 Special hazards arising from	the	e substance or mixture					
Specific hazards during fire- fighting	:	Do not use a solid water stream as it may scatter and spread fire.					
Hazardous combustion prod- ucts	:	No hazardous combustion products are known					
5.3 Advice for firefighters	5.3 Advice for firefighters						
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.					
Further information	:	Use water spray to cool unopened containers.					

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

6.1 Personal precautions, protective	e equipment and emergency procedures
Personal precautions :	Use personal protective equipment. Remove all sources of ignition. Deny access to unprotected persons. Beware of vapours accumulating to form explosive concentra- tions. Vapours can accumulate in low areas.
6.2 Environmental precautions	
Environmental precautions :	Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
6.3 Methods and material for contai	nment and cleaning up
Methods for cleaning up :	Contain spillage, and then collect with non-combustible ab- sorbent material, (e.g. sand, earth, diatomaceous earth, ver- miculite) and place in container for disposal according to local / national regulations (see section 13).

#### 6.4 Reference to other sections

For personal protection see section 8.



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# **SECTION 7: Handling and storage**

7.1 Precautions for safe handling	
Advice on safe handling :	<ul> <li>Do not breathe vapours or spray mist.</li> <li>Avoid exceeding the given occupational exposure limits (see section 8).</li> <li>Do not get in eyes, on skin, or on clothing.</li> <li>For personal protection see section 8.</li> <li>Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.</li> <li>Smoking, eating and drinking should be prohibited in the application area.</li> <li>Take precautionary measures against static discharge.</li> <li>Open drum carefully as content may be under pressure.</li> <li>Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).</li> <li>Follow standard hygiene measures when handling chemical products</li> </ul>
Advice on protection against : fire and explosion	Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
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, inc	cluding 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- ance with local regulations.
Storage class (TRGS 510) :	3, Flammable liquids
Further information on stor- : age stability	No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
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titanium dioxide; [in powder form contain- ing 1 % or more of particles with aerody- namic diameter $\leq$ 10 µm]	13463-67-7	AGW (Inhalable fraction)	10 mg/m3 (Titanium diox- ide)	DE TRGS 900
· •	Peak-limit: ex	cursion factor (cate	gory): 2;(II)	•
		AGW (Alveolate fraction)	1,25 mg/m3 (Titanium diox- ide)	DE TRGS 900
	Peak-limit: ex	cursion factor (cate	gory): 2;(II)	
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
	Further inform	ation: Identifies the	possibility of sign	ificant uptake
	through the skin, Indicative			
	STEL 100 ppm 442 mg/m3			
		AGW	100 ppm 440 mg/m3	DE TRGS 900
	Peak-limit: ex	cursion factor (cate	gory): 2;(II)	•
	Further inform	ation: Skin absorpt	ion	
butan-1-ol	71-36-3	AGW	100 ppm 310 mg/m3	DE TRGS 900
	Peak-limit: excursion factor (category): 1;(I) Further information: Senate commission for the review of pounds at the work place dangerous for the health (MAK-			
	commission)., When there is compliance with the OEL and bid ical tolerance values, there is no risk of harming the unborn ch			EL and biolog-

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

#### **Biological occupational exposure limits**

Substance name	CAS-No.	Control parame- ters	Sampling time	Basis
xylene	1330-20-7	xylene: 1,5 mg/l (Blood)	Immediately after exposure or after working hours	TRGS 903
		methylhippuric acid (all isomers): 2 g/l (Urine)	Immediately after exposure or after working hours	TRGS 903
butan-1-ol	71-36-3	1-butanol: 2 mg/g Creatinine (Urine)	Before next shift	TRGS 903
		1-butanol: 10 mg/g Creatinine (Urine)	Immediately after exposure or after working hours	TRGS 903

#### 8.2 Exposure controls

Personal	protective	equipment	
			~ ~ .

Eye protection	: Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection	: Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-



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	facturer specifications.	
	Suitable for short time use or protection Butyl rubber/nitrile rubber gloves (> 0,1 Contaminated gloves should be remove Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	mm)
Skin and body protection	<ul> <li>Protective clothing (e.g. Safety shoes a long-sleeved working clothing, long trou and protective boots are additionaly rec and stirring work.</li> </ul>	users). Rubber aprons
Respiratory protection	<ul> <li>In case of inadequate ventilation wear in Respirator selection must be based on exposure levels, the hazards of the pro- ing limits of the selected respirator. organic vapor (Type A) and particulate in A1: &lt; 1000 ppm; A2: &lt; 5000 ppm; A3: &lt; P1: Inert material; P2, P3: hazardous su Ensure adequate ventilation. This can be exhaust extraction or by general ventila ods for determining inhalation exposure ticular to the mixing / stirring area. In can to keep the concentrations under the od limits then respiration protection measure</li> </ul>	known or anticipated duct and the safe work- filter < 10000 ppm ubstances be achieved by local tion. (EN 689 - Meth- e). This applies in par- ase this is not sufficent ccupational exposure

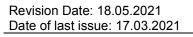
#### **Environmental exposure controls**

General advice	: Prevent product from entering drains.	
	If the product contaminates rivers and lakes or drains info	orm
	respective authorities.	

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

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

Physical state	:	liquid
Appearance	:	viscous liquid
Colour	:	various
Odour	:	slight
Odour Threshold	:	No data available
рН	:	Not applicable substance/mixture is non-soluble (in water)
Melting point/range / Freezing point	:	No data available



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Boiling point/boiling range	:	No data available
Flash point		ca. 32 °C Method: closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	0,01 hPa
Relative vapour density	:	No data available
Density	:	ca. 1,94 g/cm3 (20 °C)
Solubility(ies) Water solubility	:	insoluble
Water solubility	:	
Water solubility		
Water solubility Solubility in other solvents Partition coefficient: n-	:	No data available No data available
Water solubility Solubility in other solvents Partition coefficient: n- octanol/water	:	No data available No data available 355 °C
Water solubility Solubility in other solvents Partition coefficient: n- octanol/water Auto-ignition temperature	: :	No data available No data available 355 °C No data available
Water solubility Solubility in other solvents Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature Viscosity	:	No data available No data available 355 °C No data available
Water solubility Solubility in other solvents Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature Viscosity Viscosity, dynamic	::	No data available No data available 355 °C No data available 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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10.2 Chemical stability		
The product is chemically stable		
The product is chernically stable	•	
10.3 Possibility of hazardous react	ions	
Hazardous reactions	Stable under recommended storage conditions.	
	Vapours may form explosive mixture with air.	
10.4 Conditions to avoid		
Conditions to avoid	: Heat, flames and sparks.	
10.5 Incompatible materials		

# Materials to avoid : No data available

## **10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

#### **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:

bis-[4-(2,3-epoxipropoxi)phenyl]propane:Acute oral toxicity:LD50 Oral (Rat): > 5.000 mg/kg							
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg					
<b>xylene:</b> Acute oral toxicity	:	LD50 Oral (Rat): 3.523 mg/kg					
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 1.700 mg/kg					
<b>butan-1-ol:</b> Acute oral toxicity	:						
Acute dermal toxicity <b>Skin corrosion/irritation</b> Causes skin irritation.	:	LD50 Dermal (Rabbit): 3.430 mg/kg					

# Serious eye damage/eye irritation

Causes serious eye damage.

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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**

Not classified based on available information.

# STOT - single exposure

Not classified based on available information.

# STOT - repeated exposure

Not classified based on available information.

# Aspiration toxicity

Not classified based on available information.

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#### 11.2 Information on other hazards

#### Endocrine disrupting properties

#### Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

#### 12.1 Toxicity

#### Components:

#### bis-[4-(2,3-epoxipropoxi)phenyl]propane:

<b>xylene:</b> Toxicity to algae/aquatic	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 2,2
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1,8 mg/l Exposure time: 48 h
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h

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plants		mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic tox-	:	NOEC: > 1,3 mg/l Exposure time: 56 d Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: 1,17 mg/l Exposure time: 7 d Species: Daphnia (water flea)
<b>12.2 Persistence and degradability</b> No data available	у	
12.3 Bioaccumulative potential No data available		
<b>12.4 Mobility in soil</b> No data available		
12.5 Results of PBT and vPvB ass	ses	sment
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 propert	tie	S
Product:		
Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects		
Product:		
Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.
SECTION 13: Disposal conside	ra	tions

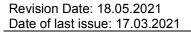
# **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Product

: In accordance with the EWC Waste Regulation the classification of waste is to be assigned to the jurisdiction of the origin

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 Sika® Permacor®-3326 EG H Part A



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of waste. Therefore, it is not possible to assign a particular waste identification number. Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany. For further details see www.sika.de

# **SECTION 14: Transport information**

14.1 UN number		
ADR	:	UN 1263
	-	
IMDG	:	UN 1263
ΙΑΤΑ	:	UN 1263
14.2 UN proper shipping name		
ADR	:	PAINT
IMDG	:	PAINT
ΙΑΤΑ	:	Paint
14.3 Transport hazard class(es)		
ADR	:	3
IMDG	:	3
ΙΑΤΑ	:	3
14.4 Packing group		
<b>ADR</b> Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code Remarks		III F1 30 3 (D/E) Exempted according to 2.2.3.1.5 (Viscous substance exemp- tion)
IMDG Packing group Labels EmS Code Remarks IATA (Cargo) Packing instruction (cargo aircraft)	:	III 3 F-E, S-E Transport in accordance with 2.3.2.5 of the IMDG-Code 366
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Packing instruction (LQ) Packing group Labels	::	Y344 III Flammable Liquids
IATA (Passenger) Packing instruction (passen- ger aircraft)	:	355
Packing instruction (LQ)	:	Y344
Packing group	:	III
Labels	:	Flammable Liquids
14.5 Environmental hazards		

ADR Environmentally hazardous	:	no
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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 3
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	None of the components are listed (=> 0.1 %).
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu-	:	Not applicable
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tants (recast)			
Regulation (EC) No 649/2012 ment and the Council concern of dangerous chemicals			
REACH Information:	All substances contained in our Products are - registered by our upstream suppliers, and/or - registered by us, and/or - excluded from the regulation, and/or - exempted from the registration.		
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS			
Water contaminating class (Germany)	: WGK 2 obviously hazardous to water Classification according to AwSV, Annex 1 (5.2)		
Volatile organic compounds	<ul> <li>Law on the incentive tax for volatile organic compounds (VOCV)</li> <li>Volatile organic compounds (VOC) content: 8 %</li> <li>Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)</li> <li>Volatile organic compounds (VOC) content: 8 %</li> </ul>		

# GISCODE

: RE75

#### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Product is no subject to the Chemicals Prohibition Ordinance.

#### 15.2 Chemical safety assessment

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

# **SECTION 16: Other information**

Full text of H-Statements	
H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.

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H319 :	Causes serious eye irritation.
H332	Harmful if inhaled.
H335 :	
	May cause respiratory irritation.
H336 :	May cause drowsiness or dizziness.
H351 :	Suspected of causing cancer if inhaled.
H373 :	May cause damage to organs through prolonged or repeated
	exposure if inhaled.
H411 :	Toxic to aquatic life with long lasting effects.
H412 :	Harmful to aquatic life with long lasting effects.
Full text of other abbreviations	i
Acute Tox.	Acute toxicity
Aquatic Chronic :	Long-term (chronic) aquatic hazard
Asp. Tox.	Aspiration hazard
Carc. :	Carcinogenicity
Eye Dam. :	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT RE :	Specific target organ toxicity - repeated exposure
STOT SE :	Specific target organ toxicity - single exposure
2000/39/EC :	Europe. Commission Directive 2000/39/EC establishing a first
	list of indicative occupational exposure limit values
DE TRGS 900 :	Germany. TRGS 900 - Occupational exposure limit values.
TRGS 903	TRGS 903 - Biological limit values
2000/39/EC / TWA :	Limit Value - eight hours
2000/39/EC / STEL :	Short term exposure limit
DE TRGS 900 / AGW :	Time Weighted Average
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
	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-
0. // 10	cals (REACH), establishing a European Chemicals Agency
SVHC :	Substances of Very High Concern
vPvB :	Very persistent and very bioaccumulative
Country DE 000000124343	16/17

Country DE 000000124343

Revision Date: 18.05.2021 Date of last issue: 17.03.2021 Version 10.0



# Further information Classification of the mixture:

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
Aquatic Chronic 3	H412

#### **Classification procedure:**

Based on product data or assessment Calculation method Calculation method Calculation method 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 !

DE / EN