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

1.1 Product identifier

Trade name

: Sikafloor[®]-390 N Thixo Part A

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

Product use : Epoxy coating, Product is not intended for consumer use

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Schweiz AG
		Tüffenwies 16
		8048 Zürich
Telephone	:	+41 58 436 40 40
Telefax	:	-
E-mail address of person	:	EHS@ch.sika.com
responsible for the SDS		

1.4 Emergency telephone number

Tox Info Suisse CH-8028 Zurich +41(0)44 251 51 51 / Speed calling: 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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.
Germ cell mutagenicity, Category 2	H341: Suspected of causing genetic defects.
Reproductive toxicity, Category 1B	H360F: May damage fertility.
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



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Hazard pictograms :			>
Signal word :	Danger		
Hazard statements :	H315 H317 H318 H341 H360F H411	Causes skin irritation. May cause an allergic skin read Causes serious eye damage. Suspected of causing genetic of May damage fertility. Toxic to aquatic life with long la	defects.
Precautionary statements :	Prevention: P201 P273 P280	Obtain special instructions before Avoid release to the environme Wear protective gloves/ protection eye protection/ face protection.	ent. tive clothing/
	Response:		
	P305 + P351 +	with water for several minutes. tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor.	Remove con- to do. Con- a POISON
	P308 + P313	IF exposed or concerned: Get i vice/ attention.	medical ad-
	P391	Collect spillage.	

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane bis-[4-(2,3-epoxypropoxy)phenyl]methane Trimethylolpropane triglycidylether p-tert-butylphenyl 1-(2,3-epoxy)propyl ether

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

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 %	>= 20 - < 25
bis-[4-(2,3- epoxypropoxy)phenyl]methane	Not Assigned 701-263-0 01-2119454392-40- XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 5 - < 10
Trimethylolpropane triglycidylether	Not Assigned 701-135-4 01-2120078341-60- XXXX	Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1B; H317 Muta. 2; H341 Repr. 1B; H360F Aquatic Chronic 2; H411	>= 3 - < 5
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	>= 2,5 - < 5
p-tert-butylphenyl 1-(2,3- epoxy)propyl ether For explanation of abbreviations se	3101-60-8 221-453-2 01-2119959496-20- XXXX	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 0,5 - < 1

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures	5
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. If symptoms persist, call a physician.
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. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
If swallowed :	Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
4.2 Most important symptoms and e	ffects, both acute and delayed
Symptoms :	Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects and symptoms.
Risks :	irritant effects sensitising effects toxic effects for reproduction
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. May damage fertility.
4.3 Indication of any immediate med	lical attention and special treatment needed
Treatment	Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/carbon diox- ide/sand/foam/alcohol resistant foam/chemical powder for extinction.
5.2 Special hazards arising from	۱ the	e substance or mixture
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	No hazardous combustion products are known
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Sikafloor®-390 N Thixo Part A



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Advice on safe handling	:	Avoid exceeding the given occupational e 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 ma, allergies, chronic or recurrent respirat not be employed in any process in which t used. Smoking, eating and drinking should be p plication area. Pregnant women or women of child-bearin exposed to this product. Follow standard hygiene measures when products	n problems or asth- tory disease should this mixture is being rohibited in the ap- ng age should not be
Advice on protection against fire and explosion	:	Normal measures for preventive fire prote	ection.
Hygiene measures	:	Handle in accordance with good industrial practice. When using do not eat or drink. Smoke. Wash hands before breaks and at	When using do not
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and place. Containers which are opened must sealed and kept upright to prevent leakag ance with local regulations.	be carefully re-
Further information on stor- age stability	:	No decomposition if stored and applied as	s directed.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data S use.	Sheet prior to any

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 *
benzyl alcohol	100-51-6	TWA	5 ppm 22 mg/m3	CH SUVA
	as vapor and a stances, which additional skin	ation: The substance aerosol, Toxic by sk a are easily absorece resoption a substa by the airways., Na	in resorption poss I through the skin, ncial higher risk co	ible; Sub- can give by ompared to



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	Safety and Health, Harm to the unborn child is not to be expected	
	when the OEL-value is respected	
above mentioned values are in accordance with the legislation in effect at the date of the re-		

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

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment	t
Eye/face protection	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
	Suitable for short time use or protection against splashes: 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.
Skin and body protection	Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing and stirring work.
Respiratory protection	 In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. organic vapor (Type A) and particulate filter A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm P1: Inert material; P2, P3: hazardous substances Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Environmental exposure controls

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

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	:	liquid viscous liquid
Odour	• :	various epoxy-like
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or (exp	losive limits
Upper explosion limit / Upper flammability limit	-	
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	ca. 115 °C Method: closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
рН	:	Not applicable substance/mixture is non-soluble (in water)
Viscosity Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	No data available

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Vapour pressure	: 0,01 hPa	
Density	: ca. 1,72 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.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions.
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10.4 Conditions to avoid

Conditions to avoid : No data available

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 toxicityNot 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
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kg
g

Acute inhalation toxicity	:	LC50 (Rat): 3.466 mg/l Exposure time: 4 h Test atmosphere: dust/mist
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Acute dermal toxicity :		LD50 Dermal	(Rabbit): 6.000	mg/kg
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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

May damage fertility.

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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.

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: Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l Exposure time: 96 h Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1,8 mg/l aquatic invertebrates Exposure time: 48 h Trimethylolpropane triglycidylether: Toxicity to algae/aquatic ErC50 (Pseudokirchneriella subcapitata (microalgae)): 9 mg/l : plants Exposure time: 72 h Toxicity to daphnia and other : EC50: 3,7 mg/l aquatic invertebrates (Chron-Exposure time: 48 d ic toxicity) Species: Daphnia magna (Water flea) benzyl alcohol: Toxicity to fish : LC50 (Fish): > 100 mg/l Exposure time: 96 h Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l aquatic invertebrates Exposure time: 48 h

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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

Product:		
Assessment	:	The substance/mixture does not contain components consid- ered 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- mation	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic 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 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.
Waste code Switzerland	:	08 01 11 -

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VeVA/LVA

Contaminated packaging

: 15 01 10 [S] packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1 UN number or ID number			
ADR	:	UN 3082	
IMDG	:	UN 3082	
ΙΑΤΑ	:	UN 3082	
14.2 UN proper shipping name			
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQU N.O.S. (epoxy resin)	IID,
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQU N.O.S. (epoxy resin)	JID,
ΙΑΤΑ	:	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)	
14.3 Transport hazard class(es)			
		Class Subsidiary risks	
ADR	:	9	
IMDG	:	9	
ΙΑΤΑ	:	9	
14.4 Packing group			
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code	: : : : : : : : : : : : : : : : : : : :	III M6 90 9 (-)	
IMDG Packing group Labels EmS Code	:	III 9 F-A, S-F	
IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group	: : :	964 Y964 III	

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Labels	:	Miscellaneous
IATA (Passenger)		
Packing instruction (passen- ger aircraft)	:	964
Packing instruction (LQ)	:	Y964
Packing group	:	
Labels	:	Miscellaneous
14.5 Environmental hazards		
ADR		
Environmentally hazardous	:	yes
IMDG		
Marine pollutant	:	yes
IATA (Passenger)		
Environmentally hazardous	:	yes
IATA (Cargo)		
Environmentally hazardous	:	yes

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

our our of the control of the contro		specifie for the substance of mixture
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 75, 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 deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable



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PIC Ordinance, ChemPICO (814	4.82) :	Not applicable
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/EL jor-accident hazards involving da E2	t and of the Council on the control of ma-	
Water hazard class (Germa- : ny)	WGK 2 obviously hazardo Classification according to	
Volatile organic compounds :	(VOCV) Volatile organic compoun Directive 2010/75/EU of 2 emissions (integrated poll	or volatile organic compounds ds (VOC) content: 5,31% w/w 4 November 2010 on industrial ution prevention and control) ds (VOC) content: 5,31% w/w

Other regulations:

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Article 13 Maternity ordinance (SR 822.111.52): Expectant and nursing mothers are only permitted to come into contact with this product during the course of their work if, based on a risk assessment carried out in accordance with Article 63 of Ordinance 1 on the Employment Act (ArGV 1) (SR 822.111), the chemicals in question have been found not to cause any specific harm to mothers or children or if such harm can be ruled out by taking appropriate protective measures.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Young people undergoing basic vocational training may only work with this product if the relevant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

The product belongs to group 1 according to the Swiss Chemicals Ordinance (ChemO 813.11).

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.
H314	:	Causes severe skin burns and eye damage.
H315	÷	Causes severe skin burns and eye damage.
	·	
H317	÷	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H341	:	Suspected of causing genetic defects.
H360F	:	May damage fertility.
H411	:	Toxic to aquatic life with long lasting effects.
Full text of other abbreviation	ons	
Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	•	Eye irritation
Muta.		Germ cell mutagenicity
Repr.	:	Reproductive toxicity
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
CH SUVA	:	
	:	Switzerland. Limit values at the work place
CH SUVA / TWA	÷	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
ΙΑΤΑ	:	International Air Transport Association
IMDG	:	International Maritime Code for Dangerous Goods
LD50	:	Median lethal dosis (the amount of a material, given all at
		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
MARFOL	·	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-
		cals (REACH), establishing a European Chemicals Agency
SVHC	:	Substances of Very High Concern
vPvB	:	Very persistent and very bioaccumulative

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Further information Classification of the mi	xture:	Classification procedure:	
Skin Irrit. 2	H315	Calculation method	
Eye Dam. 1	H318	Calculation method	
Skin Sens. 1	H317	Calculation method	
Muta. 2	H341	Calculation method	
Repr. 1B	H360F	Calculation method	
Aquatic Chronic 2	H411	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 !

CH / EN