

Sikaflex® EBT+

Date of last issue: 27.11.2023	Version 9.3	Print Date 29.02.2024
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Sikaflex[®] EBT+

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

Product use : Sealant/adhesive

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 Telefax E-mail address of person	:	+44 (0)1707 394444 +44 (0)1707 329129 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)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Additional Labelling

EUH208	Contains m-tolylidene diisocyanate, Pentamethyl piperidylsebacate. May pro-
	duce an allergic reaction.

EUH204 Contains isocyanates. May produce an allergic reaction.

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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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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Components	-		
Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		· · · ·
Urea,N,N"-(methylenedi-4,1-	77703-56-1	Aquatic Chronic 4;	>= 2,5 - < 5
phenylene)bis[N'-butyl-	416-600-4	H413	
	01-0000016345-72-		
	XXXX		
Pentamethyl piperidylsebacate	1065336-91-5	Skin Sens. 1A; H317	>= 0,025 - <
Contains:	915-687-0	Repr. 2; H361f	0,1
bis(1,2,2,6,6-pentamethyl-4-	01-2119491304-40-	Aquatic Acute 1;	
piperidyl) sebacate	XXXX	H400	
methyl 1,2,2,6,6-pentamethyl-4-		Aquatic Chronic 1;	
piperidyl sebacate		H410	
		M-Factor (Acute	
		aquatic toxicity): 1	
		M-Factor (Chronic	
		aquatic toxicity): 1	
		aqualic toxicity). I	

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m-tolylidene diisocyanate	26471-62-5 247-722-4 01-2119454791-34- XXXX	Acute Tox. 1; H330 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 3; H412 specific concentration limit Resp. Sens. 1; H334 >= 0,1 % Acute toxicity esti- mate Acute inhalation tox- icity (vapour): 0,107 mg/l	>= 0,025 - < 0,1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	No hazards which require special first aid measures.
If inhaled	:	Move to fresh air.
In case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	:	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	effects, both acute and delayed
Symptoms	:	See Section 11 for more detailed information on health effects and symptoms.





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Risks	:	No known significant effects or hazards.	
4.3 Indication of any immediate n	neo	dical attention and special treatment needed	
Treatment	:	Treat symptomatically.	
SECTION 5: Firefighting meas	ur	es	
5.1 Extinguishing media			
Suitable extinguishing media	:	In case of fire, use water/water spray/water jet/ca ide/sand/foam/alcohol resistant foam/chemical po extinction.	
5.2 Special hazards arising from	the	e substance or mixture	
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	:	Standard procedure for chemical fires.	
SECTION 6: Accidental releas	e r	neasures	

6.1 Personal precautions, protective equipment and emergency procedures								
Personal precautions	:	For personal protection see section 8.						
6.2 Environmental precautions								
Environmental precautions	:	No special environmental precautions required.						
6.3 Methods and material for containment and cleaning up								
Methods for cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece).						
		Keep in suitable, closed containers for disposal.						
6.4 Reference to other sections	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 : For personal protection see section 8.



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		No special handling advice required. Follow standard hygiene measures when hand products	ling chemical
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.	
Hygiene measures	:	When using do not eat or drink. When using do	o not smoke.
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well- place. Store in accordance with local regulation	
Advice on common storage	:	No special restrictions on storage with other pro	oducts.
Further information on stor- age stability	:	No decomposition if stored and applied as direc	cted.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Sheet use.	prior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

			-		
Components	CAS-No.	Value type (Form	Control parame-	Basis *	
		of exposure)	ters *		
m-tolylidene diisocyanate	26471-62-5	TWA	0,02 mg/m3	GB EH40	
			(NCO)		
	Further informa	ation: Substances th	nat can cause occ	upational	
	asthma (also k	nown as asthmage	ns and respiratory	sensitisers)	
	can induce a s	tate of specific airw	ay hyper-respons	iveness via an	
		irritant or other me			
	become hyper-responsive, further exposure to the substance, sometimes even in tiny quantities, may cause respiratory symp- toms. These symptoms can range in severity from a runny nose to asthma. Not all workers who are exposed to a sensitiser will be- come hyper-responsive and it is impossible to identify in advance				
		likely to become hy			
		occupational asthn			
	substances which may trigger the symptoms of asthma in people				
	with pre-existing airway hyper-responsiveness, but which do not include the disease themselves. The latter substances are not				
	classified as as	sthmagens or respir	atory sensitisers.	Further infor-	

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	assessments of the evi asthma., Wherever it is stances that can cause Where this is not possi standards of control to responsive. For substa COSHH requires that e sonably practicable. Ac centrations should rece ment is being consider employees exposed or may cause occupationa consultation with an oc degree of risk and leve pational asthma., The ' assigned only to those asthma in the categorie bered that other substa pational asthma. HSE's (www.hse.gov.uk/asthr	ma) provide further information.
	STEL	0,07 mg/m3 GB EH40 (NCO)

*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
m-tolylidene diisocyanate	26471-62-5	isocyanate- derived diamine (Isocyanates): 1 µmol/mol creati- nine (Urine)	At the end of the period of expo- sure	GB EH40 BAT

8.2 Exposure controls

Engineering measures

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

Personal protective equip	oment	
Eye/face protection	:	Safety glasses
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- facturer specifications.
		Butyl rubber/nitrile rubber gloves (> 0,1 mm) Recommended: Butyl rubber/nitrile rubber gloves.





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Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to long-sleeved working clothing, long trousers). and protective boots are additionaly recommended and stirring work.	Rubber aprons
Respiratory protection :	In case of inadequate ventilation wear respiral Respirator selection must be based on known exposure levels, the hazards of the product at ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < 1000 Ensure adequate ventilation. This can be ach exhaust extraction or by general ventilation. (I ods for determining inhalation exposure). This ticular to the mixing / stirring area. In case this to keep the concentrations under the occupat limits then respiration protection measures me	n or anticipated nd the safe work- 10 ppm ieved by local EN 689 - Meth- is applies in par- is is not sufficent ional exposure

Environmental exposure controls

General advice	:	No special environmental	precautions	required
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

intermation on sacro phycical		a ononnoai proport
Physical state	:	
Appearance	:	paste
Colour	:	various
Odour	:	very faint
Melting point/range / Freezing	:	No data available
point		
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or e	exp	losive limits
Upper explosion limit / Up- per flammability limit	:	No data available
Lower explosion limit /	:	No data available
Lower flammability limit		



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Flash point	:	> 101 °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, dynamic	:	ca. 235.000 mPa.s (20 °C)	
Viscosity, kinematic	:	> 20,5 mm2/s (40 °C)	
Solubility(ies)			
Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,01 hPa	
Density	:	ca. 1,64 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.



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10.3 Possibility of hazardous r	eactions	
Hazardous reactions	: No hazards to be specially mentioned.	
10.4 Conditions to avoid		
Conditions to avoid	: Avoid moisture.	
10.5 Incompatible materials		
Materials to avoid	: No data available	
10.6 Hazardous decompositior No decomposition if stored a	-	
No decomposition il stored a	ind applied as directed.	
SECTION 11: Toxicological	nformation	
11.1 Information on hazard clas	sses as defined in Regulation (EC) No 1272/200)8
Acute toxicity		
Not classified due to lack of	data.	
<u>Components:</u>		
Urea,N,N"-(methylenedi-4,		
Urea,N,N"-(methylenedi-4, Acute oral toxicity	1-phenylene)bis[N'-butyl-: : LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401	
	: LD50 Oral (Rat): > 2.000 mg/kg	
Acute oral toxicity	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 	
Acute oral toxicity Acute dermal toxicity	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba Acute oral toxicity	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Incate: LD50 Oral (Rat): 3.230 mg/kg LC50 (Rat): 0,107 mg/l 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba Acute oral toxicity m-tolylidene diisocyanate	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba Acute oral toxicity m-tolylidene diisocyanate	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Incate: LD50 Oral (Rat): 3.230 mg/kg LC50 (Rat): 0,107 mg/l Exposure time: 4 h 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba Acute oral toxicity m-tolylidene diisocyanate	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Incate: LD50 Oral (Rat): 3.230 mg/kg LC50 (Rat): 0,107 mg/l Exposure time: 4 h Test atmosphere: vapour Acute toxicity estimate: 0,107 mg/l Test atmosphere: vapour 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba Acute oral toxicity m-tolylidene diisocyanate	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Incate: LD50 Oral (Rat): 3.230 mg/kg LC50 (Rat): 0,107 mg/l Exposure time: 4 h Test atmosphere: vapour Acute toxicity estimate: 0,107 mg/l 	
Acute oral toxicity Acute dermal toxicity Pentamethyl piperidylseba Acute oral toxicity m-tolylidene diisocyanate	 LD50 Oral (Rat): > 2.000 mg/kg Method: OECD Test Guideline 401 LD50 Dermal (Rabbit): > 2.000 mg/kg Method: OECD Test Guideline 402 Incate: LD50 Oral (Rat): 3.230 mg/kg LC50 (Rat): 0,107 mg/l Exposure time: 4 h Test atmosphere: vapour Acute toxicity estimate: 0,107 mg/l Test atmosphere: vapour 	

Not classified due to lack of data.



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Respiratory or skin sensitisation		
Skin sensitisation Not classified due to lack of data.		
Respiratory sensitisation Not classified due to lack of data.		
Germ cell mutagenicity Not classified due to lack of data.		
Carcinogenicity Not classified due to lack of data.		
Reproductive toxicity Not classified due to lack of data.		
STOT - single exposure Not classified due to lack of data.		
STOT - repeated exposure Not classified due to lack of data.		
Aspiration toxicity Not classified due to lack of data.		
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:

Urea,N,N"-(methylenedi-4,1-phenylene)bis[N'-butyl-:

Toxicity to daphnia and other aquatic invertebratesEC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 hToxicity to algae/aquatic:EC50 (Raphidocelis subcapitata (freshwater green alga)):	Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 250 mg/l Exposure time: 96 h
Toxicity to algae/aquatic : EC50 (Raphidocelis subcapitata (freshwater green alga)):		:	
	Toxicity to algae/aquatic	:	EC50 (Raphidocelis subcapitata (freshwater green alga)): >



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plants	100 mg/l Exposure time: 72 h	
Pentamethyl piperidylsebacate):	
Toxicity to fish :	LC50 (Fish): 0,97 mg/l Exposure time: 96 h	
M-Factor (Acute aquatic tox- : icity)	1	
M-Factor (Chronic aquatic : toxicity)	1	
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 asse	essment	
Product:		
Assessment :	This substance/mixture contains no comp to be either persistent, bioaccumulative ar very persistent and very bioaccumulative 0.1% or higher	nd toxic (PBT), or
12.6 Endocrine disrupting propertie	25	
Product:		
Assessment :	The substance/mixture does not contain of ered to have endocrine disrupting properti REACH Article 57(f) or Commission Deleg (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.	ies according to gated regulation
12.7 Other adverse effects		
Product:		
Additional ecological infor- : mation	There is no data available for this product	
SECTION 13: Disposal consider 13.1 Waste treatment methods	ations	



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Product	 The generation of waste should be avoided wherever possible. Empty containers or liners may retain some This material and its container must be disp way. Dispose of surplus and non-recyclable prod waste disposal contractor. Disposal of this product, solutions and any b at all times comply with the requirements of protection and waste disposal legislation an local authority requirements. Avoid dispersal of spilled material and runof soil, waterways, drains and sewers. 	product residues. osed of in a safe ucts via a licensed py-products should environmental d any regional

SECTION 14: Transport information

14.1 UN number or ID number

ADR	:	Not regulated as a dangerous good			
IMDG	:	Not regulated as a dangerous good			
ΙΑΤΑ	:	Not regulated as a dangerous good			
14.2 UN proper shipping name					
ADR	:	Not regulated as a dangerous good			
IMDG	:	Not regulated as a dangerous good			
ΙΑΤΑ	:	Not regulated as a dangerous good			
14.3 Transport hazard class(es)					
ADR	:	Not regulated as a dangerous good			
IMDG	:	Not regulated as a dangerous good			
ΙΑΤΑ	:	Not regulated as a dangerous good			
14.4 Packing group					
ADR	:	Not regulated as a dangerous good			
IMDG	:	Not regulated as a dangerous good			
IATA (Cargo)	:	Not regulated as a dangerous good			
IATA (Passenger)	:	Not regulated as a dangerous good			
14.5 Environmental hazards	14.5 Environmental hazards				
Not regulated as a dangerous good					

Not regulated as a dangerous good

14.6 Special precautions for user Not applicable





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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

UK REACH List of restrictions (Ani	nex 17)	:	Conditions of restriction for the fol- lowing entries should be considered: 1,2-Benzenedicarboxylic acid, di-C9- 11-branched alkyl esters, C10-rich (Number on list 52)
UK REACH Candidate list of subst concern (SVHC) for Authorisation	tances of very high	:	Not applicable
The Persistent Organic Pollutants Regulation (EU) 2019/1021 as ama ain)		:	Not applicable
International Chemical Weapons C Schedules of Toxic Chemicals and		:	Not applicable
Regulation (EC) No 1005/2009 on plete the ozone layer	substances that de-	:	Not applicable
UK REACH List of substances sub (Annex XIV)	pject to authorisation	:	Not applicable
GB Export and import of hazardou Informed Consent (PIC) Regulation		:	Not applicable
Control of Major Accident Hazards	Regulations	Not	applicable
C .	Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties		
			4 November 2010 on industrial ution prevention and control)



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If other regulatory information applie Sheet, then it is described in this su	<i>.</i>	here in the Safety Data
Health, safety and environ- : E	nvironmental Protection Act 1990 &	Subsidiary Regulations

Health, safety and environ-	 Environmental Protection Act 1990 & Subsidiary Regulations
mental regulation/legislation	Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or	Control of Substances Hazardous to Health Regulations
mixture:	(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.

SECTION 16: Other information

Full text of H-Statements		
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
H330	:	Fatal if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficul-
		ties if inhaled.
H335	:	May cause respiratory irritation.
H351	:	Suspected of causing cancer.
H361f	:	Suspected of damaging fertility.
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.
H413	:	May cause long lasting harmful effects to aquatic life.
Full text of other abbreviation	ons	
Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Carc.	:	Carcinogenicity
Eye Irrit.	:	Eye irritation
Repr.	:	Reproductive toxicity
Resp. Sens.	:	Respiratory sensitisation
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT SE	:	Specific target organ toxicity - single exposure
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT	:	UK. Biological monitoring guidance values
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)
ADR	:	European Agreement concerning the International Carriage of
		Dangerous Goods by Road
CAS	:	Chemical Abstracts Service
DNEL	:	Derived no-effect level

Full text of H-Statements



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EC50 : GHS :	Half maximal effective concentration Globally Harmonized System	
IATA : IMDG :	International Air Transport Association International Maritime Code for Dangerous G	oods
LD50 :	Median lethal dosis (the amount of a material once, which causes the death of 50% (one ha test animals)	
LC50 :	Median lethal concentration (concentrations of air that kills 50% of the test animals during th period)	
MARPOL :	International Convention for the Prevention o Ships, 1973 as modified by the Protocol of 19	
OEL :	Occupational Exposure Limit	
PBT :	Persistent, bioaccumulative and toxic	
PNEC :	Predicted no effect concentration	
REACH :	Regulation (EC) No 1907/2006 of the Europe and of the Council of 18 December 2006 con istration, Evaluation, Authorisation and Restriction cals (REACH), establishing a European Cher	cerning the Reg- iction of Chemi-
SVHC :	Substances of Very High Concern	
vPvB :	Very persistent and very bioaccumulative	

Further information

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