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

1.1 Product identifier

Trade name : Sikaflex[®]-668 PowerCure Part A

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	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person responsible for the SDS	:	EHS@uk.sika.com

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 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

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:		
Signal word	:	Warning	
Hazard statements	:	H317 H412	May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.



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Precautionary statements :	Prevention: P261 P273 P280	Avoid breathing mist or vapours. Avoid release to the environmen Wear protective gloves.	
	Response:		
	P333 + P313	If skin irritation or rash occurs: G advice/ attention.	et medical
	P362 + P364	Take off contaminated clothing a before reuse.	and wash it
	Disposal:		
	P501	Dispose of contents/container in with local regulation.	accordance

Hazardous components which must be listed on the label:

2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate Pentamethyl piperidylsebacate 4,4'-methylenediphenyl diisocyanate

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

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
2-ethyl-2-[[(1-oxoallyl)oxy]methyl]- 1,3-propanediyl diacrylate	15625-89-5 239-701-3 01-2119489896-11- XXXX	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25
		M-Factor (Acute aquatic toxicity): 11 M-Factor (Chronic aquatic toxicity): 11	
Pentamethyl piperidylsebacate Contains: bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	1065336-91-5 915-687-0 01-2119491304-40- XXXX	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	





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4,4'-methylenediphenyl diisocya- nate	101-68-8 202-966-0 01-2119457014-47- XXXX	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 specific concentration limit Eye Irrit. 2; H319 $\geq = 5 \%$ specific concentration limit STOT SE 3; H335 $\geq = 5 \%$ specific concentration limit Stin Irrit. 2; H315 $\geq = 5 \%$ specific concentration limit Skin Irrit. 2; H315 $\geq = 5 \%$ specific concentration limit Resp. Sens. 1; H334 $\geq = 0,1 \%$ Acute toxicity esti- mate Acute inhalation tox- icity (dust/mist): 1,5 mg/l	< 0,1

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.



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If inhaled	: Move to fresh air. Consult a physician after significant e	xposure.
In case of skin contact	: Take off contaminated clothing and sl Wash off with soap and plenty of wate If symptoms persist, call a physician.	
In case of eye contact	: Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a spe	cialist.
If swallowed	: Do not induce vomiting without medic Rinse mouth with water. Do not give milk or alcoholic beverage Never give anything by mouth to an u	es.
.2 Most important symptom	ns and effects, both acute and delayed	
Symptoms	: Allergic reactions See Section 11 for more detailed info	rmation on health effects
	and symptoms.	
Risks	and symptoms. : sensitising effects	
Risks		
	: sensitising effects May cause an allergic skin reaction.	noodod
	: sensitising effects	needed
.3 Indication of any immedi Treatment	 sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment Treat symptomatically. 	needed
3 Indication of any immedi Treatment SECTION 5: Firefighting n	 sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment Treat symptomatically. 	needed
.3 Indication of any immedi Treatment	: sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment : Treat symptomatically. neasures	/water jet/carbon diox-
3.3 Indication of any immedi Treatment SECTION 5: Firefighting n 5.1 Extinguishing media Suitable extinguishing me	 sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment Treat symptomatically. measures edia : In case of fire, use water/water spray/ ide/sand/foam/alcohol resistant foam/ 	/water jet/carbon diox-
 3 Indication of any immedi Treatment SECTION 5: Firefighting n 5.1 Extinguishing media Suitable extinguishing media 5.2 Special hazards arising f 	 sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment : Treat symptomatically. measures edia : In case of fire, use water/water spray/ ide/sand/foam/alcohol resistant foam/ extinction. 	/water jet/carbon diox- /chemical powder for
 3 Indication of any immedi Treatment SECTION 5: Firefighting n 5.1 Extinguishing media Suitable extinguishing media 5.2 Special hazards arising f Hazardous combustion prime 	 sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment Treat symptomatically. measures edia : In case of fire, use water/water spray/ ide/sand/foam/alcohol resistant foam/ extinction. from the substance or mixture 	/water jet/carbon diox- /chemical powder for
 3 Indication of any immedi Treatment 5ECTION 5: Firefighting n 5.1 Extinguishing media Suitable extinguishing media 5.2 Special hazards arising f Hazardous combustion products 	 sensitising effects May cause an allergic skin reaction. iate medical attention and special treatment : Treat symptomatically. measures edia : In case of fire, use water/water spray/ ide/sand/foam/alcohol resistant foam/ extinction. from the substance or mixture rod- : No hazardous combustion products a 	/water jet/carbon diox- /chemical powder for



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SECTION 6: Accidental release	e measures	
6.1 Personal precautions, protect	ive equipment and emergency procedure	S
Personal precautions	: Use personal protective equipment. Deny access to unprotected persons.	
6.2 Environmental precautions		
Environmental precautions	: Do not flush into surface water or sanitar If the product contaminates rivers and la respective authorities.	
6.3 Methods and material for con	tainment and cleaning up	
Methods for cleaning up	: Soak up with inert absorbent material (e. acid binder, universal binder, sawdust). Keep in suitable, closed containers for di	

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 asthma, 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, including any incompatibilities

Requirements for storage	: Keep container tightly closed in a dry and well-ventilate	ed
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areas and containers	place. Store in accordance with local regulations	
Further information on stor- age stability	No decomposition if stored and applied as direct	ed.
7.3 Specific end use(s) Specific use(s)	Consult most current local Product Data Sheet p use.	rior 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 *
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0,02 mg/m3 (NCO)	GB EH40
	Further inform	ation: Capable of ca	using occupation	al asthma.
		STEL	0,07 mg/m3 (NCO)	GB EH40

*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
4,4'-methylenediphenyl diisocyanate	101-68-8	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 equipment					
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 ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer specifications. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.			



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	Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	
Skin and body protection	: Protective clothing (e.g. Safety sho long-sleeved working clothing, long and protective boots are additional and stirring work.	g trousers). Rubber aprons
Respiratory protection	 In case of inadequate ventilation w Respirator selection must be based exposure levels, the hazards of the ing limits of the selected respirator organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; Ensure adequate ventilation. This exhaust extraction or by general ve ods for determining inhalation expo ticular to the mixing / stirring area. to keep the concentrations under the limits then respiration protection m 	d on known or anticipated e product and the safe work-
Environmental exposure co	ntrols	
O an anal a duita a	De met fluiele liete existence uneten en e	

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	::	liquid paste black
Odour	:	odourless
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available

Upper/lower flammability or explosive limits



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Upper explosion limit / Up- per flammability limit	:	No data available	
Lower explosion limit / Lower flammability limit	:	No data available	
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, 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. 1,30 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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10.2 Chemical stability		
The product is chemically stable		
10.3 Possibility of hazardous read	ions	
Hazardous reactions	: No hazards to be specially mentioned.	
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 pr	oducts	
	: No hazardous decomposition products a	re known.
SECTION 11: Toxicological inf	rmation	

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

Acute toxicity

Not classified due to lack of data.

Components:

2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:				
Acute oral toxicity	:	LD50 Oral (Rat): 3.680 - 5.000 mg/kg		
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg		
Pentamethyl piperidylsebacate:				

Acute oral toxicity : LD50 Oral (Rat): 3.230 mg/kg

4,4'-methylenediphenyl diisocyanate:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement
		Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method



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Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

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

Not classified due to lack of data.

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.



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SECTION 12: Ecological information

12.1 Toxicity

Components:

	2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate:		
	Toxicity to fish	:	LC50 (Danio rerio (zebra fish)): 0,87 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
	M-Factor (Acute aquatic tox- icity)	:	1
			1
	M-Factor (Chronic aquatic toxicity)	:	1
			1
	Pentamethyl piperidylsebac	ate	:
	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 degradabil	ity	
	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 as	sse	ssment
	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



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12.6 Endocrine disrupting prope	ties		
Product:			
Assessment	ered to REACH (EU) 20	ostance/mixture does not contain have endocrine disrupting prope Article 57(f) or Commission Dele 17/2100 or Commission Regulat f 0.1% or higher.	rties according to egated regulation
12.7 Other adverse effects			
Product:			
Additional ecological infor- mation	unprofe	ronmental hazard cannot be excl ssional handling or disposal. to aquatic life with long lasting e	
SECTION 13: Disposal consid	erations		

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.

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			
14.2 UN proper shipping name ADR	 Not regulated as a dangerous good Not regulated as a dangerous good 			



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IATA :	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	
IATA :	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		
Not regulated as a dangerous go	ood	
14.6 Special precautions for user		
Not applicable		
14.7 Maritime transport in bulk acc	_	

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 (Annex 17)	:	Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable



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UK REACH List of substances so (Annex XIV)	ubject to authorisation : Not applicable	
GB Export and import of hazardo Informed Consent (PIC) Regulati		
Control of Major Accident Hazard 2015 (COMAH) Volatile organic compounds :		0 on industrial and
If other regulatory information ap Sheet, then it is described in this	plies that is not already provided elsewhere in subsection.	n the Safety Data

Health, safety and environ- mental regulation/legislation specific for the substance or mixture:	 Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.
	regulatione (e e m a n), and amendmenter

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.
H332	:	Harmful 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.
H373	:	May cause damage to organs through prolonged or repeated exposure if inhaled.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
Country C.B. 100000022277		15 /



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Full text of other abbreviations

Acuto Tox		A quito toxicity
Acute Tox. Aquatic Acute	:	Acute toxicity Short-term (acute) aquatic hazard
•	÷	Long-term (chronic) aquatic hazard
Aquatic Chronic Carc.	:	
	:	Carcinogenicity
Eye Irrit.		Eye irritation
Repr.		Reproductive toxicity
Resp. Sens.		Respiratory sensitisation
Skin Irrit.		Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
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
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
		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
. –	-	· · · · · · · · · · · · · · · · · · ·

Further information

Classification of the mixtu	Classification procedure:	
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method



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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