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

1.1 Product identifier

Trade name

Sikadur[®]-31 SBA Cold Weather Part A

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

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 irritation, Category 2 Serious eye damage, Category 1 Skin sensitisation, Category 1	H315: Causes skin irritation. H318: Causes serious eye damage. H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Reproductive toxicity, Category 2	H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
Short-term (acute) aquatic hazard, Cate- gory 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Cat- egory 1	H410: Very toxic to aquatic life with long lasting effects.
2 Label elements	
Labelling (REGULATION (EC) No 1272/20	008)
Hazard pictograms :	
Signal word : Danger	•

Hazard statements : H315 Causes skin irritation.

2.2



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	H318 Ca H351 Su H361fd Su da	ay cause an allergic skin reaction. auses serious eye damage. Ispected of causing cancer. Ispected of damaging fertility. Susp Imaging the unborn child. ary toxic to aquatic life with long las	
Precautionary statements :	Prevention: P201 P261 P273 P280	Obtain special instructions befor Avoid breathing mist or vapours Avoid release to the environmer Wear protective gloves/ protecti eye protection/ face protection.	nt.
	Response: P305 + P351 + P391	P338 + P310 IF IN EYES: Rins with water for several minutes. I tact lenses, if present and easy tinue rinsing. Immediately call a CENTER/ doctor. Collect spillage.	Remove con- to do. Con-

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxipropoxi)phenyl]propane 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane 4-nonylphenol, branched 2-ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate

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: This substance/mixture contains components considered to have endocrine disrupting properties for environment, according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

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	>= 40 - < 60
		specific concentration limit Eye Irrit. 2; H319 >= 5 %	
		specific concentration limit Skin Irrit. 2; H315 >= 5 %	
1,3-bis(2,3-epoxypropoxy)-2,2- dimethylpropane	17557-23-2 241-536-7	Skin Irrit. 2; H315 Skin Sens. 1; H317	>= 5 - < 10
4-nonylphenol, branched	84852-15-3 284-325-5 01-2119510715-45- XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Repr. 2; H361fd Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 5 - < 10
		M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	
		Acute toxicity esti- mate	
		Acute oral toxicity: 1.412 mg/kg	



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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	>= 2,5 - < 5
		M-Factor (Acute aquatic toxicity): 11 M-Factor (Chronic aquatic toxicity): 11	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	 Small amounts splashed into eyes can cause irreversible tissue 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 effects, both acute and delayed
Symptoms	: Allergic reactions Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects



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	and symptoms.	
Risks :	irritant effects sensitising effects	
	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing cancer. Suspected of damaging fertility. Suspected of unborn child.	damaging the
4.3 Indication of any immediate me	dical attention and special treatment needed	
Treatment :	Treat symptomatically.	
5.1 Extinguishing media Suitable extinguishing media :	In case of fire, use water/water spray/water jet ide/sand/foam/alcohol resistant foam/chemical extinction.	
5.2 Special hazards arising from th	e substance or mixture	
Specific hazards during fire- : fighting	Do not allow run-off from fire fighting to enter of courses.	Irains or water
Hazardous combustion prod- : ucts	No hazardous combustion products are known	I
5.3 Advice for firefighters		
Special protective equipment : for firefighters	In the event of fire, wear self-contained breath	ng apparatus.
Further information :	Collect contaminated fire extinguishing water s must not be discharged into drains. Fire residues and contaminated fire extinguish be disposed of in accordance with local regula	ing water must

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.



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6.2 Environmental precautions		
Environmental precautions :	Do not flush into surface water or sanitary sew If the product contaminates rivers and lakes of respective authorities.	
6.3 Methods and material for conta	inment and cleaning up	
Methods for cleaning up :	Soak up with inert absorbent material (e.g. san acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposa	-

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

	Advice on safe handling	:	Avoid exceeding the given occupational exposure limits (see section 8).
			Do not get in eyes, on skin, or on clothing.
			For personal protection see section 8. Persons with a history of skin sensitisation problems or asth-
			ma, allergies, chronic or recurrent respiratory disease should
			not be employed in any process in which this mixture is being used.
			Smoking, eating and drinking should be prohibited in the application area.
			Follow standard hygiene measures when handling chemical products
	Advice on protection against	:	Normal measures for preventive fire protection.
	fire and explosion		
	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, i	incl	uding any incompatibilities
	Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord- ance with local regulations.
	Further information on stor- age stability	:	No decomposition if stored and applied as directed.
7.3	Specific end use(s)		
	Specific use(s)	:	Consult most current local Product Data Sheet prior to any use.



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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 *	
Contains no substances with occupational exposure limit values.					

8.2 Exposure controls

Engineering measures

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

Personal protective equipment	
Eve/feee protection	Cofet

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. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection Respiratory 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. No special measures required.
Environmental exposure cont	
•	
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 Colour Odour	:	liquid white aromatic
Melting point/ range / Freez-	:	No data available



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ing point			
Boiling point/boiling range	:	No data available	
Flammability (solid, gas)	:	No data available	
Upper/lower flammability or Upper explosion limit / Up- per flammability limit	-		
Lower explosion limit / Lower flammability limit	:	No data available	
Flash point	:	> 100 °C Method: closed cup	
Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	Not applicable	
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	:	1,17 g/cm3 (23 °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 react	ons	
Hazardous reactions	Stable under recommended storage conditions.	
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 pro	ducts	
	No hazardous decomposition products are know	'n.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified due to lack of data.

Components:

bis-[4-(2,3-epoxipropoxi)ph Acute oral toxicity	-	I]propane: LD50 Oral (Rat): > 5.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg
4-nonylphenol, branched: Acute oral toxicity	:	LD50 Oral (Rat): 1.412 mg/kg
		Acute toxicity estimate: 1.412 mg/kg Method: Calculation method
Acute dermal toxicity	:	LD50 Dermal (Rabbit): 3.160 mg/kg
2-ethyl-2-[[(1-oxoallyl)oxy]m Acute oral toxicity		n yl]-1,3-propanediyl diacrylate: LD50 Oral (Rat): 3.680 - 5.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5.000 mg/kg



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Skin corrosion/irritation Causes skin irritation.		
Product: Result :	Skin irritation	
Serious eye damage/eye irritat Causes serious eye damage.	ion	
Respiratory or skin sensitisation	on	
Skin sensitisation May cause an allergic skin reacti	on.	
Respiratory sensitisation Not classified due to lack of data		
Germ cell mutagenicity Not classified due to lack of data		
Carcinogenicity Suspected of causing cancer.		
Reproductive toxicity Suspected of damaging fertility.	Suspected of damaging the unborn child.	
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 propertie	25	
Product:		
Assessment :	The substance/mixture does not contain compor ered to have endocrine disrupting properties acc REACH Article 57(f) or Commission Delegated r (EU) 2017/2100 or Commission Regulation (EU) levels of 0.1% or higher.	cording to regulation



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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 : aquatic invertebrates		EC50 (Daphnia magna (Water flea)): 1,8 mg/l Exposure time: 48 h		
	4-nonylphenol, branched: M-Factor (Acute aquatic tox- : icity)		10		
	M-Factor (Chronic aquatic : toxicity)		10		
	2-ethyl-2-[[(1-oxoallyl)oxy]met	th	yl]-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		
	5,		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	es	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 proper	ies	
Product:		
Assessment	 This substance/mixture contains compon have endocrine disrupting properties for e ing to REACH Article 57(f), Commission I 2018/605 or Commission Delegated Reg 2017/2100. 	environment , accord- Regulation (EU)
Components:		
4-nonylphenol, branched:		
Assessment	The substance is considered to have end properties according to REACH Article 57 ment.	
12.7 Other adverse effects		
Product:		
Additional ecological infor- mation	 An environmental hazard cannot be exclu unprofessional handling or disposal. Very toxic to aquatic life with long lasting 	

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.
European Waste Catalogue	:	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Contaminated packaging	:	15 01 10* packaging containing residues of or contaminated by dangerous substances



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SECTION 14: Transport information

14.1 UN number or ID number

	ADR	:	UN 3082		
	IMDG	:	UN 3082		
	ΙΑΤΑ	:	UN 3082		
14.2	2 UN proper shipping name				
	ADR	:	ENVIRONMENTALLY N.O.S. (epoxy resin)	Y HAZARDOUS SUBSTANCE, LIQUID,	
	IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)		
	ΙΑΤΑ	:	Environmentally haza (epoxy resin)	rdous substance, liquid, n.o.s.	
14.3	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 Labels	:	964 Y964 III Miscellaneous		
	IATA (Passenger) Packing instruction (passen- ger aircraft)	:	964		



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Packing instruction (LQ) Packing group Labels	:	Y964 III 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 use The transport classification(s)		ovided herein are for informational purposes only	, and solely based

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

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Banned and/or restricted
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	4-nonylphenol, branched
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Brit- ain)	:	Not applicable
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
Regulation (EC) on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
GB Export and import of hazardous chemicals - Prior	:	4-nonylphenol, branched



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Informed Consent (PIC) Regulation	on		
Control of Major Accident Hazard 2015 (COMAH)	s Regulations E1 ENVIRONMENTAL HAZA	RDS	
Volatile organic compounds :	Law on the incentive tax for volatile organic com (VOCV)	pounds	
	Volatile organic compounds (VOC) content: < 0% w/w no VOC duties		
	Directive 2010/75/EU of 24 November 2010 on in emissions (integrated pollution prevention and co Volatile organic compounds (VOC) content: < 0%	ontrol)	
If other regulatory information app Sheet, then it is described in this	blies that is not already provided elsewhere in the subsection.	Safety Data	
Health, safety and environ- mental regulation/legislation	Environmental Protection Act 1990 & Subsidiary Health and Safety at Work Act 1974 & Subsidiary	5	

Health and Safety at Work Act 1974 & Subsidiary Regulations specific for the substance or Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

Other regulations:

mixture:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

H302	: Harmful if swallowed.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H351	: Suspected of causing cancer.
H361fd	: Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.



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H411 :	Toxic to aquatic life with	long lasting effects.		
Full text of other abbreviations	5			
Acute Tox. : Aquatic Acute :	Acute toxicity Short-term (acute) aqua	atic hazard		
Aquatic Chronic :	Long-term (chronic) aqu	uatic hazard		
Carc. :	Carcinogenicity			
Eye Dam. :	Serious eye damage			
Eye Irrit. :	Eye irritation			
Repr. : Skin Corr. :	Reproductive toxicity Skin corrosion			
Skin Con.	Skin irritation			
Skin Sens.	Skin sensitisation			
ADR :		oncerning the Internation	al Carriage of	
	Dangerous Goods by R			
CAS :	Chemical Abstracts Ser			
DNEL :	Derived no-effect level			
EC50 :	Half maximal effective of	concentration		
GHS :	Globally Harmonized Sy	ystem		
IATA :	International Air Transp			
IMDG :		ode for Dangerous Good		
LD50 :	Median lethal dosis (the amount of a material, given all at			
	test animals)	death of 50% (one half)		
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			
PBT :		Persistent, bioaccumulative and toxic		
PNEC :	Predicted no effect cond			
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 Hig	h Concern		
vPvB :	Very persistent and very	y bioaccumulative		
Further information				
Classification of the mixture:		Classification proced	ure:	
Skin Irrit. 2 H3	315	Based on product data	or assessment	
Eye Dam. 1 H3	318	Calculation method		
Skin Sens. 1 H3	317	Calculation method		
Carc. 2 H3	351	Calculation method		
Repr. 2 H3	361fd	Calculation method		
Aquatic Acute 1 H4	400	Calculation method		



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Aquatic Chronic 1	H410	Calculation method	

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

Changes as compared to previous version !

GB / EN