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

1.1	Product identifier		
	Trade name Unique Formula Identifier (UFI)		thermodent® clear 6Y90-V0VN-8008-J5EK
1.2	Relevant identified uses of the	s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture	:	Additive
	Recommended restrictions on use	:	Restricted to professional users.
1.3	Details of the supplier of the sa	afe	etv data sheet
		:	Schülke & Mayr GmbH Robert-Koch-Str. 2
			22851 Norderstedt Germany Telephone: +49 (0)40/ 52100-0 Telefax: +49 (0)40/ 52100318 mail@schuelke.com www.schuelke.com
	Supplier	:	Schülke & Mayr UK Ltd. Cygnet House 1, Jenkin Road, Meadowhall
			Sheffield S9 1AT United Kingdom Telephone: +44 114 254 35 00 Telefax: +44 114 254 35 01 mail.uk@schulke.com
	E-mail address of person responsible for the SDS/Contact person	:	Application Specialists +49 (0)40/ 521 00 666 AD@schuelke.com (Schülke & Mayr UK Ltd.: +44-1142543500)
1.4	Emergency telephone number		
	Emergency telephone num-	:	Carechem 24 International:+44 1235 239670

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Eye irritation, Category 2	H319: Causes serious eye irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019)

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	H319 Causes serious eye irritation.
Precautionary statements	:	Prevention: P280 Wear eye protection/ face protection.
		Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with wa- ter for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention.

Additional Labelling

The product is classified in accordance with Annex I (2.6.4.5) to Regulation (EC) 1272/2008.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Solution of the following substances with harmless additives.

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Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Alcohols, C13-15-branched and line- ar, butoxylated ethoxylated	111905-53-4 	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 10 - < 20
propan-2-ol	67-63-0 200-661-7 603-117-00-0 01-2119457558-25- XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system)	>= 10 - < 20
Alcohols, C9-11-iso-, C10-rich, eth- oxylated	78330-20-8 	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 1 - < 3

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	If symptoms persist, call a physician.
If inhaled	:	If symptoms persist, call a physician.
In case of skin contact	:	Wash with water and soap as a precaution. If symptoms persist, call a physician.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	Rinse mouth with water. Give small amounts of water to drink. Consult a physician if necessary.
4.2 Most important symptoms	and e	ffects, both acute and delayed
Symptoms	:	Treat symptomatically.

Risks :	Causes serious eye irritation.
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Dry powder Foam Water spray jet Carbon dioxide (CO2)
Unsuitable extinguishing media	:	Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	:	No information available.
Hazardous combustion prod- ucts	:	No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment	:	In the event of fire, wear self-contained breathing apparatus.
for firefighters		

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Development and a section of		No substal and south as a solution
Personal precautions	-	No special precautions required.

6.2 Environmental precautions

Environmental precautions	:	Avoid subsoil penetration.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: Wipe up with absorbent material (e.g. cloth, fleece).
	Soak up with inert absorbent material (e.g. sand, silica gel,
	acid binder, universal binder, sawdust).

6.4 Reference to other sections

see Section 8 + 13

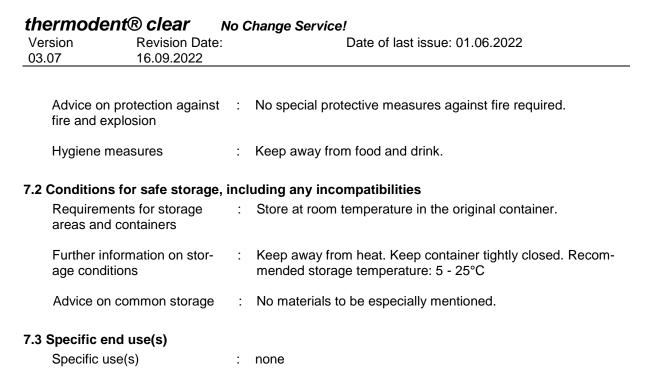
SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	: Pre	pare the working so	plution as give	en on the label(s)	and/or
	the	user instructions.			



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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 parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m3	GB EH40
		STEL	500 ppm 1,250 mg/m3	GB EH40

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
propan-2-ol	Workers	Skin contact	Long-term systemic effects	888 mg/kg
	Workers	Inhalation	Long-term systemic effects	500 mg/m3

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
propan-2-ol	Fresh water	140.9 mg/l
	Marine water	140.9 mg/l
	Fresh water sediment	552 mg/kg
	Marine sediment	552 mg/kg
	Soil	28 mg/kg
	Intermittent use/release	140.9 mg/l
	Effects on waste water treatment plants	2251 mg/l
	Oral	160 mg/kg food

8.2 Exposure controls

Personal protective equipment

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Eye/face prote	ction	:	Safety glasses with side-shields conforming to EN166
Hand protectio Directive	n	:	The selected protective gloves have to satisfy the specifica- tions of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Remarks		:	Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection. Pro- longed contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protec- tion.
Skin and body	protection	:	Work uniform or laboratory coat.
Respiratory pro	otection	:	No personal respiratory protective equipment normally re- quired.
Protective mea	sures	:	Avoid contact with eyes.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	alcohol-like
Odour Threshold	:	not determined
рН	:	7 (20 °C) Concentration: 100 %
Melting point/freezing point	:	< -5 °C
Decomposition temperature		No data available
Boiling point/boiling range	:	ca. 80 °C
Flash point	:	37 °C Method: DIN 51755 Part 1
Evaporation rate	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available

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Vapour pressure	: ca. 35 hPa (20 °C)
Relative vapour density	: No data available
Density	: ca. 0.99 g/cm3 (20 °C)
Solubility(ies) Water solubility	: completely soluble (20 °C)
Partition coefficient: n- octanol/water	: Not applicable
Auto-ignition temperature	: No data available
Viscosity Viscosity, dynamic	: No data available
Flow time	: < 15 s at 20 °C Method: DIN 53211
Explosive properties	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
9.2 Other information	
Flammability (liquids)	: Does not sustain combustion.
Metal corrosion rate	: Not corrosive to metals

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SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reaction known u	Inde	er conditions of normal use.
10.2 Chemical stability		
The product is chemically stable	Э.	
10.3 Possibility of hazardous react	tio	าร
Hazardous reactions	:	None reasonably foreseeable.
10.4 Conditions to avoid		
Conditions to avoid	:	Protect from frost, heat and sunlight.
10.5 Incompatible materials		
Materials to avoid	:	Never mix concentrates directly.
10.6 Hazardous decomposition pro None reasonably foreseeable.	odı	ucts

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity

: Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Acute oral toxicity	: LD50 (Rat): > 300 -	2,000 mg/kg
Acute inhalation toxicity	: Remarks: No data a	vailable
Acute dermal toxicity	: Remarks: No data a	vailable
propan-2-ol:		
Acute oral toxicity	: LD50 (Rat): 5,840 m	ıg/kg
Acute inhalation toxicity	: LC50 (Rat): 39 mg/l Exposure time: 4 h Test atmosphere: va	apour
Acute dermal toxicity	: LD50 (Rabbit): 13,90 Method: OECD Test	

Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Acute oral toxicity	:	LD50 (Rat): 500 - 2,000 mg/kg Method: literature value Remarks: Harmful if swallowed.
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

Skin corrosion/irritation

Not classified based on available information.

Components:

Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Species Method Result	: Rabbit
Method	: OECD Test Guideline 404
Result	: Mild skin irritation

propan-2-ol:

: No skin irritation

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Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Species Method Result	: Rabbit : literature value
Result	: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Species Method Result	: Rabbit
Method	: OECD Test Guideline 405
Result	: Eye irritation

propan-2-ol:

Result	:	Eye irritation
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Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Species Method Result	: Rabbit
Method	: OECD Test Guideline 405
Result	: Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

propan-2-ol:

Test Type :	Buehler Test
Species :	Guinea pig
Test Type : Species : Result :	Did not cause sensitisation on laboratory animals.

Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Remarks : No data available

Germ cell mutagenicity

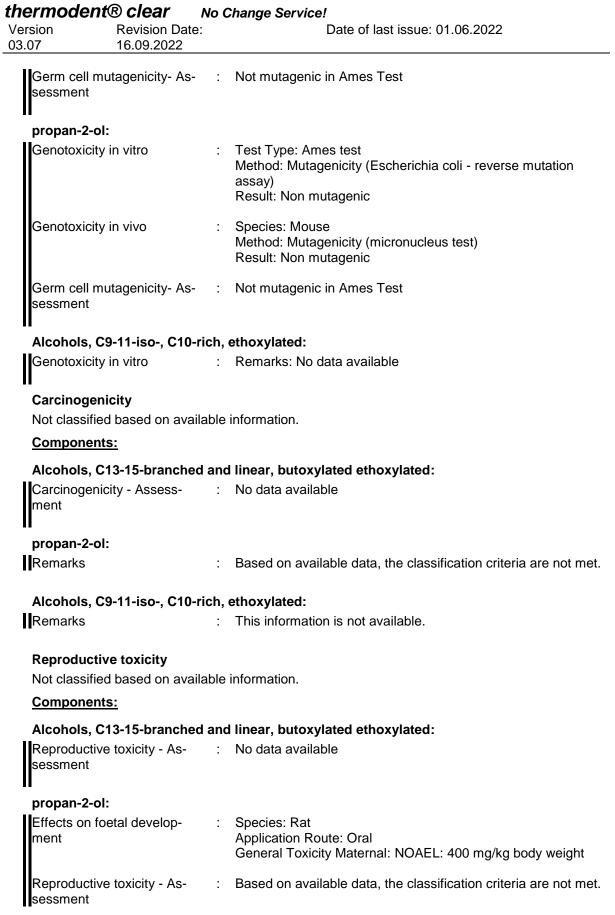
Not classified based on available information.

Components:

Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Genotoxicity in vitro	: Test Type: Microbial mutagenesis assay (Ames test) Result: negative
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Alcohols, C9-11-iso-, C10-		ethoxylated: Remarks: No data available
Effects on foetal develop- ment	:	Remarks: No data available
STOT - single exposure		
Not classified based on avai	lable	information.
Components:		
Alcohols, C13-15-branche	d and	d linear, butoxylated ethoxylated:
Remarks	:	
propan-2-ol:		
Assessment	:	May cause drowsiness or dizziness.
Alcohols, C9-11-iso-, C10-	rich,	ethoxylated:
Remarks	:	No data available
STOT - repeated exposure		
Not classified based on avai	lable	information.
Components:		
Alcohols, C13-15-branche	d and	d linear, butoxylated ethoxylated:
Remarks	:	Not classified due to data which are conclusive although insuf- ficient for classification.
propan-2-ol:		
Remarks	:	Based on available data, the classification criteria are not met.
Alcohols, C9-11-iso-, C10-	rich,	ethoxylated:
Remarks	:	No data available
Repeated dose toxicity		
Components:		
propan-2-ol:		
Remarks	:	No data available
Aspiration toxicity		
Not classified based on avai	lable	information.
Further information		
Product:		

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Remarks

: No data is available on the product itself.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Toxicity to fish	:	LC50 (Leuciscus idus): > 1 - 10 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l Exposure time: 48 h Test Type: semi-static test
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: > 0.1 - 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202
propan-2-ol:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 10,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test Type: static test
		EC50 (green algae): 1,800 mg/l Exposure time: 7 d

Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Toxicity to fish	:	(Leuciscus idus (Golden orfe)): > 100 mg/l Exposure time: 96 h Method: DIN 38412
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): > 100 mg/l Exposure time: 48 h Method: DIN 38412
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 96 h Method: DIN 38412

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12.2 Persistence and degradability

Components:

Alcohols, C13-15-branched and linear, butoxylated ethoxylated:

Biodegradability	: Result: Readily biodegradable. Biodegradation: > 60 % Exposure time: 28 d Method: OECD Test Guideline 301F
	Method: OECD Test Guideline 301F

propan-2-ol:

Biodegradability	: Result: Readily biodegradable.
------------------	----------------------------------

Alcohols, C9-11-iso-, C10-rich, ethoxylated:

12.3 Bioaccumulative potential

Components:

propan-2-ol:

Bioaccumulation	:	Remarks: No bioaccumulation is to be expected (log Pow <= 4).
Partition coefficient: n- octanol/water		log Pow: 0.05 (20 °C) Method: OECD Test Guideline 107

Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Bioaccumulation	:	Remarks: None reasonably foreseeable.
Partition coefficient: n- octanol/water	:	Remarks: Not applicable

12.4 Mobility in soil

Components:

propan-2-ol:		
Mobility	:	Remarks: Mobile in soils

Alcohols, C9-11-iso-, C10-rich, ethoxylated:

Mobility : Remarks: Adsorbs on soil.

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered

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		to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.		
12.6 Other adv	erse effects			
Product:				
Endocrine tial	disrupting poten-	: 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.		
Additional mation	ecological infor-	: No data is available on the product itself.		

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SECTION 13: Disposal considerations

Product	:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN 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
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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 good			
14.6 Special precautions for user			
Remarks	:	Not classified as supporting combustion according to the	

transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH	UK REACH List of restrictions (Annex 17)			Conditions of restriction for the fol- lowing entries should be considered:
	I Candidate list of subs VHC) for Authorisation		:	Number on list 3 Not applicable
	The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)			Not applicable
Regulation plete the o	(EC) No 1005/2009 or zone layer	n substances that de-	:	Not applicable
UK REACH (Annex XI\	H List of substances su /)	bject to authorisation	:	Not applicable
Volatile org	anic compounds :	emissions (integrated	poll	4 November 2010 on industrial ution prevention and control) ds (VOC) content: 24.55 %
Other regu	ulations:			
The comp	onents of this produ	ct are reported in the f	ollo	owing inventories:
TCSI	:	On the inventory, or in	cor	npliance with the inventory
TSCA	:	Product contains subst	tano	ce(s) not listed on TSCA inventory.
AIIC	:	All components are list tions/restrictions apply		on the inventory, regulatory obliga-
DSL	:	This product contains t on the Canadian DSL		following components that are not NDSL.
		2-methyl-1,2-benzothia	azol	I-3(2H)-one
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ENCS		:	Not in compliance with the inventory
ISHL		:	Not in compliance with the inventory
KECI		:	Not in compliance with the inventory
PICCS		:	Not in compliance with the inventory
IECSC		:	Not in compliance with the inventory
NZIoC		:	Not in compliance with the inventory
TECI		:	Not in compliance with the inventory

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15.2 Chemical safety assessment

Exempt

SECTION 16: Other information

Full text of H-Statements

H225 :	Highly flammable liquid and vapour.
H302 :	Harmful if swallowed.
H318 :	Causes serious eye damage.
H319 :	Causes serious eye irritation.
H336 :	May cause drowsiness or dizziness.
H412 :	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
STOT SE	:	Specific target organ toxicity - single exposure
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL

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- Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance: PICCS - Philippines Inventory of Chemicals and Chemical Substances: (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:				
Eye Irrit. 2	H319			

Classification procedure: Calculation method

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.