

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended  
by UK REACH Regulations SI 2019/758



## **thermodent® clear**      **No Change Service!**

Version  
03.08

Revision Date:  
07.03.2024

Date of last issue: 16.09.2022

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

#### **1.1 Product identifier**

Trade name : thermodent® clear  
Unique Formula Identifier (UFI) : 6Y90-V0VN-8008-J5EK

#### **1.2 Relevant identified uses of the substance 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 safety data sheet**

Producer : 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  
  
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

#### **1.4 Emergency telephone number**

Emergency telephone number : 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 GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Eye irritation, Category 2

H319: Causes serious eye irritation.

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

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 water 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.

#### Hazardous components

Chemical name	CAS-No. EC-No.	Classification	Concentration (% w/w)
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	Index-No. Registration number		
Alcohols, C13-15-branched and linear, butoxylated ethoxylated	111905-53-4 --- --- ---	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 <hr/> M-Factor (Acute aquatic toxicity): 1	>= 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, ethoxylated	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 effects, both acute and delayed**

- Symptoms : Treat symptomatically.
- Risks : Causes serious eye irritation.

### **4.3 Indication of any immediate medical attention and special treatment needed**

- Treatment : For specialist advice physicians should contact the Poisons

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Information Service.

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media : Dry powder  
Foam  
Water spray jet  
Carbon dioxide (CO<sub>2</sub>)

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 products : 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.

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### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : No special precautions required.

#### **6.2 Environmental precautions**

Environmental precautions : Avoid subsoil penetration.

#### **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

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### **SECTION 7: Handling and storage**

#### **7.1 Precautions for safe handling**

Advice on safe handling : Prepare the working solution as given on the label(s) and/or the user instructions.

Advice on protection against fire and explosion : No special protective measures against fire required.

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Hygiene measures : Keep away from food and drink.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Keep away from heat. Keep container tightly closed. Recommended storage temperature: 5 - 25°C

Advice on common storage : No materials to be especially mentioned.

### 7.3 Specific end use(s)

Specific use(s) : none

## 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/m <sup>3</sup>	GB EH40
		STEL	500 ppm 1,250 mg/m <sup>3</sup>	GB EH40

#### Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
propan-2-ol	Workers	Skin contact	Long-term systemic effects	888 mg/kg
	Workers	Inhalation	Long-term systemic effects	500 mg/m <sup>3</sup>

#### 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

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection

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- Directive                      :    The selected protective gloves have to satisfy the specifications 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. Prolonged 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 protection.
- Skin and body protection    :    Work uniform or laboratory coat.
- Respiratory protection      :    No personal respiratory protective equipment normally required.
- Protective measures         :    Avoid contact with eyes.
- 

## **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
- pH                                    :    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
- Vapour pressure                 :    ca. 35 hPa (20 °C)
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Relative vapour density	:	No data available
Density	:	ca. 0.99 g/cm <sup>3</sup> (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
Viscosity, kinematic	:	not determined
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 under conditions of normal use.

### **10.2 Chemical stability**

The product is chemically stable.

### **10.3 Possibility of hazardous reactions**

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 products**

None reasonably foreseeable.

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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 available  
Acute dermal toxicity                            : Remarks: No data available

##### **propan-2-ol:**

Acute oral toxicity                               : LD50 (Rat): 5,840 mg/kg  
Acute inhalation toxicity                       : LC50 (Rat): 39 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Acute dermal toxicity                            : LD50 (Rabbit): 13,900 mg/kg  
Method: OECD Test Guideline 402

##### **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    : Rabbit  
Method   : OECD Test Guideline 404  
Result    : Mild skin irritation

##### **propan-2-ol:**

Result    : No skin irritation



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

Species	: Rabbit
Method	: 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	: 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	: 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
Result	: Did not cause sensitisation on laboratory animals.

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

Remarks	: No data available
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### **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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Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

### **propan-2-ol:**

Genotoxicity in vitro : Test Type: Ames test  
Method: Mutagenicity (Escherichia coli - reverse mutation assay)  
Result: Non mutagenic

Genotoxicity in vivo : Species: Mouse  
Method: Mutagenicity (micronucleus test)  
Result: Non mutagenic

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

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

Genotoxicity in vitro : Remarks: No data available

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

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

Carcinogenicity - Assessment : No data available

### **propan-2-ol:**

Remarks : Based on available data, the classification criteria are not met.

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

Remarks : This information is not available.

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

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

Reproductive toxicity - Assessment : No data available

### **propan-2-ol:**

Effects on foetal development : Species: Rat  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 400 mg/kg body weight

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

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

|| Effects on fertility : Remarks: No data available

|| Effects on foetal develop- : Remarks: No data available  
ment

### **STOT - single exposure**

Not classified based on available information.

### **Components:**

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

|| Remarks : No data available

#### **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 available information.

### **Components:**

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

|| Remarks : Not classified due to data which are conclusive although insufficient 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 available 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)): > 0.1 - < 1.0 mg/l Exposure time: 48 h Test Type: semi-static test Method: OECD Test Guideline 202
M-Factor (Acute aquatic toxicity)	:	1
Toxicity to daphnia and other aquatic invertebrates (Chronic 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: 90 - 100 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301A

##### **propan-2-ol:**

|| Biodegradability : Result: Readily biodegradable.

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

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

### 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

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Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### **Product:**

Endocrine disrupting potential : 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.

Additional ecological information : No data is available on the product itself.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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 handling site for recycling or disposal.

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## SECTION 14: Transport information

### 14.1 UN number

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : 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

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

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**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 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.

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## **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)                      :    Conditions of restriction for the following entries should be considered: Number on list 3

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer                      :    Not applicable

UK REACH List of substances subject to authorisation (Annex XIV)                      :    Not applicable

Volatile organic compounds                      :    Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 24.55 %

#### **The components of this product are reported in the following inventories:**

TCSI                                      :    On the inventory, or in compliance with the inventory

TSCA                                      :    Product contains substance(s) not listed on TSCA inventory.

AIIC                                      :    All components are listed on the inventory, regulatory obligations/restrictions apply

DSL                                      :    This product contains the following components that are not on the Canadian DSL nor NDSL.

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2-methyl-1,2-benzothiazol-3(2H)-one

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

### 15.2 Chemical safety assessment

**||** No Chemical Safety Assessment has been carried out for this mixture.

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## 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.
H400	:	Very toxic to aquatic life.
H412	:	Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
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



# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended  
by UK REACH Regulations SI 2019/758

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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 - 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.