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

1.1 Product identifier

Trade name : thermosept® BSK
Unique Formula Identifier : 6Y90-V0VN-8008-J5EK

(UFI)

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

Use of the Sub- : Additive

stance/Mixture

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 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 GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

#### 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 : H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

Precautionary statements : Prevention:

P280 Wear protective gloves/ eye 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.

P333 + P313 If skin irritation or rash occurs: 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.	Classification	Concentration
	EC-No.		(% w/w)



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Index No		
Registration number		
111905-53-4	Acute Tox. 4: H302	>= 10 - < 20
	•	
	H400	
	Aquatic Chronic 3:	
	•	
	11712	
	M-Factor (Acute	
	aquatic toxicity): 1	
67-63-0	Flam. Lig. 2; H225	>= 10 - < 20
200-661-7	•	
	1	
01-2119457558-25-	(Central nervous	
XXXX	system)	
78330-20-8	Acute Tox. 4; H302	>= 1 - < 3
	Eve Dam. 1: H318	
	, , , , ,	
	200-661-7 603-117-00-0 01-2119457558-25- XXXX	Registration number  111905-53-4 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 3; H412

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 off immediately with plenty of water.

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 : Do NOT induce vomiting.

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 : May cause an allergic skin reaction.

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.

ucts

Hazardous combustion prod- : No hazardous combustion products are known

5.3 Advice for firefighters

for firefighters

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

**SECTION 6: Accidental release measures** 

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Methods for cleaning up

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 Wear personal protective equipment.

Advice on protection against No special protective measures against fire required.

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fire and explosion

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 stor-

age conditions

Keep away from heat. Keep container tightly closed. Recom-

mended 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/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-	Value
			fects	
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

Eye/face protection

: Safety glasses with side-shields conforming to EN166

Hand protection Directive

: The selected protective gloves have to satisfy the specifica-

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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. 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 protec-

tion.

Skin and body protection : Work uniform or laboratory coat.

Respiratory protection : No personal respiratory protective equipment normally re-

quired.

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)

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- : Not applicable



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octanol/water

Auto-ignition temperature : No data available

Viscosity

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

# **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.

# **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

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**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

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.

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#### **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

#### 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

May cause an allergic skin reaction.

## 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

#### 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

Germ cell mutagenicity- As-

sessment

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

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Method: Mutagenicity (micronucleus test)

Result: Non mutagenic

Germ cell mutagenicity- As-

sessment

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 - Assess-

: No data available

ment

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 - As-

No data available

sessment

propan-2-ol:

Effects on foetal develop-

Species: Rat

ment

**Application Route: Oral** 

General Toxicity Maternal: NOAEL: 400 mg/kg body weight

Reproductive toxicity - As-

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

sessment

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

Effects on fertility : Remarks: No data available

Effects on foetal develop-

ment

Remarks: No data available

STOT - single exposure

Not classified based on available information.

**Components:** 

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

Remarks : No data available



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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 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 available information.

**Further information** 

**Product:** 

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

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Method: OECD Test Guideline 202

M-Factor (Acute aquatic tox-

icity)

1

Toxicity to daphnia and other : aquatic invertebrates (Chron-

aquatic invertebrates (Ci

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

## 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:

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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- : log Pow: 0.05 (20 °C)

octanol/water 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

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 poten-

tial

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 ecological infor-

mation

: 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 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

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

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.

#### **SECTION 15: Regulatory information**

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

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Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the fol-

lowing entries should be considered:

Number on list 3

UK REACH Candidate list of substances of very high : Not applicable

concern (SVHC) for Authorisation

The Persistent Organic Pollutants Regulations (retained : Not applicable

Regulation (EU) 2019/1021 as amended for Great Brit-

ain)

Regulation (EC) on substances that deplete the ozone : Not applicable

layer

UK REACH List of substances subject to authorisation : Not applicable

(Annex XIV)

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 %

#### Other regulations:

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.

#### **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 Test-



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ing 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 - 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: Classification procedure:

Eye Irrit. 2 H319 Calculation method

Skin Sens. 1 H317 Calculation method

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

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