

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

#### 1.1. Product identifier

Trade name : One Seven class B(FF) 0.5% (concentrate)

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Fire extinguishing agent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Schmitz One Seven GmbH  
Am Honigberg 31  
14943 Luckenwalde - Germany  
T +49 (0) 33 71 - 69 13 - 0 - F +49 (0) 33 71 - 69 13 - 99  
[info@oneseven.com](mailto:info@oneseven.com) - [www.oneseven.com](http://www.oneseven.com)

##### Email competent person

sds@kft.de

#### 1.4. Emergency telephone number

Emergency number : National Health Service (NHS)  
24 hour national number consumer  
England and Scotland: 111  
Wales: 0845 46 47  
Northern Ireland: call your local General Practitioner  
  
Call 999 if there is a life-threatening incident.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 H318  
Full text of H-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Contains :

(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide; Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine; D-Glucopyranose, oligomers, decyl octyl glycosides

Hazard statements (CLP) :

H318 - Causes serious eye damage.

Precautionary statements (CLP) :

P280 - Wear eye protection, face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER, a doctor.

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### 2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Component	
2-(2-butoxyethoxy)ethanol (112-34-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : Mixture of the substances listed below with non-hazardous additives

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-(2-butoxyethoxy)ethanol substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44-xxxx	<30	Eye Irrit. 2, H319
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine	(CAS-No.) 90583-18-9 (REACH-no) 01-2119970645-28-xxxx	<10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide	(CAS-No.) 4292-10-8 (EC-No.) 224-292-6 (REACH-no) 01-2119487970-25-xxxx	<15	Eye Dam. 1, H318 Aquatic Chronic 3, H412
D-Glucopyranose, oligomers, decyl octyl glycosides	(CAS-No.) 68515-73-1 (EC-No.) 500-220-1 (REACH-no) 01-2119488530-36-xxxx	<10	Eye Dam. 1, H318

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide	(CAS-No.) 4292-10-8 (EC-No.) 224-292-6 (REACH-no) 01-2119487970-25-xxxx	( 4 ≤C < 10) Eye Irrit. 2, H319 ( 10 ≤C < 100) Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Take off contaminated clothing. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Spit. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: The product is not combustible and does not support any combustion. Use fire fighting measures suiting the environment. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Sulphur oxides. Nitrogen oxides.
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#### 5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

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

General measures	: Spill area may be slippery.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing spray.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : For a large spillage, contain the spillage by bunding. Take up large spills with pump or vacuum. Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
- Other information : Disposal must be done according to official regulations.

### 6.4. Reference to other sections

For further information refer to section 13. Concerning personal protective equipment to use, see section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : If spilled, may cause the floor to be slippery.
- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing spray. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

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

- Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in original container. Storage in foam tanks and stationary fire-fighting facilities and mobile fire-fighting vehicles is possible.
- Incompatible products : Strong oxidizers.
- Incompatible materials : Galvanised steel.
- Storage temperature : -15 – 50 °C
- Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

For professional users only. Avoid use of product on burning metals, electrically energized equipment and contact with water reactive materials. Dosage: 0,5 - 1%. Comply with instructions for use (refer to technical sheet).

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

2-(2-butoxyethoxy)ethanol (112-34-5)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	2-(2-Butoxyethoxy)ethanol
IOEL TWA	67.5 mg/m <sup>3</sup>
IOEL TWA [ppm]	10 ppm
IOEL STEL	101.2 mg/m <sup>3</sup>
IOEL STEL [ppm]	15 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	2-(2-Butoxyethoxy)ethanol
WEL TWA (OEL TWA) [1]	67.5 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	10 ppm
WEL STEL (OEL STEL)	101.2 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

<b>Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	4060 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	285 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	24 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	85 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2440 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.012 mg/l
PNEC aqua (marine water)	0.001 mg/l
PNEC aqua (intermittent, freshwater)	0.036 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.422 mg/kg dwt
PNEC sediment (marine water)	0.042 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.083 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	1.35 mg/l

<b>D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	595000 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	420 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	35.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	124 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	357000 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.176 mg/l
PNEC aqua (marine water)	0.018 mg/l
PNEC aqua (intermittent, freshwater)	0.27 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1.516 mg/kg dwt
PNEC sediment (marine water)	0.152 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.654 mg/kg dwt

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	111.11 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	560 mg/l

<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - local effects, inhalation	101.2 mg/m <sup>3</sup>
Long-term - local effects, inhalation	67.5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	6.25 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	1.1 mg/l
PNEC aqua (marine water)	0.11 mg/l
PNEC aqua (intermittent, freshwater)	11 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	4.4 mg/kg dwt
PNEC sediment (marine water)	0.44 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.32 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	56 mg/kg food

<b>(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	12.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	7.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	13.04 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	7.5 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	13.5 µg/L
PNEC aqua (marine water)	1.35 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1.03 mg/kg dwt
PNEC sediment (marine water)	0.1 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.85 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	3 g/l

### 8.1.5. Control banding

No additional information available

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Wear closed safety glasses. EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing. EN ISO 13688

###### Hand protection:

Chemically resistant protective gloves. Nitrile rubber. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

No respiratory protection needed under normal use conditions. In case of unintentional release of substance, exceeding the occupational exposure limit value A-P2. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

##### Other information:

Do not eat, drink or smoke during use. Avoid contact with eyes. Avoid contact with skin. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green.
Odour	: characteristic.
Odour threshold	: Not determined
Melting point	: Not applicable
Freezing point	: < -15 °C (1 atm)
Boiling point	: 90 – 130 °C (1 atm)
Flammability	: Non flammable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
pH	: 7 – 8 (20 °C)
Viscosity, kinematic	: ≤ 50 mm <sup>2</sup> /s (20 °C)
Solubility	: Miscible.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 1.055 – 1.075 g/cm <sup>3</sup> (20 °C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Do not expose to temperatures above . Keep out of frost.

### 10.5. Incompatible materials

oxidising substances. Galvanised steel.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)



# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

<b>One Seven class B(FF) 0.5% (concentrate)</b>	
ATE CLP (oral)	> 2000 mg/kg bodyweight

<b>Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)</b>	
LD50 oral rat	500 – 2000 mg/kg bodyweight (Test method EU B.1 (bis); Read-across CAS: 85586-07-8)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7 – 8 (20 °C)
Serious eye damage/irritation	: Causes serious eye damage. pH: 7 – 8 (20 °C)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

<b>One Seven class B(FF) 0.5% (concentrate)</b>	
Viscosity, kinematic	≤ 50 mm <sup>2</sup> /s (20 °C)

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified. (Based on available data, the classification criteria are not met)

<b>Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)</b>	
LC50 - Fish [1]	3.6 mg/l (96h; Oncorhynchus mykiss (Rainbow trout); (OECD 203 method))
EC50 - Crustacea [1]	7.1 mg/l (48 h; Daphnia magna (Water flea); (OECD 202 method))
ErC50 algae	9.3 mg/l (72h; Desmodesmus subspicatus; Test method EU C.3)
NOEC chronic fish	≥ 1.357 mg/l (42 d; Pimephales promelas; Read-across CAS: 151-21-3)
NOEC chronic crustacea	2 – 4 mg/l (40 d; Daphnia magna (Water flea); Read-across CAS: 151-21-3)
NOEC chronic algae	3 mg/l (72h; Desmodesmus subspicatus; Test method EU C.3)

<b>(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)</b>	
LC50 - Fish [1]	1.11 mg/l (96 h; Pimephales promelas; Read-across CAS: 147170-44-3; (OECD 203 method))
EC50 - Crustacea [1]	≈ 1.9 mg/l (48 h; Daphnia magna (Water flea); Read-across; (OECD 202 method))
ErC50 algae	≈ 8 mg/l (96 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic fish	0.135 mg/l (37 d; Oncorhynchus mykiss; Read-across; (OECD 210 method))
NOEC chronic crustacea	0.625 mg/l (21 d; Daphnia magna (Water flea); (OECD 211 method))

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

NOEC chronic algae	3.2 mg/l (96 h; Pseudokirchneriella subcapitata; (OECD 201 method))
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### 12.2. Persistence and degradability

<b>One Seven class B(FF) 0.5% (concentrate)</b>	
Persistence and degradability	Readily biodegradable.

<b>Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	95 % (28d; eq. (EU Method C.4-A))

<b>D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	100 % (28 d; (OECD 301E method))

<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	≈ 85 % (28 d; (OECD-Methode 301C))

<b>(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	> 80 % (28 d; Test method EU C.4-F)

### 12.3. Bioaccumulative potential

<b>One Seven class B(FF) 0.5% (concentrate)</b>	
Bioaccumulative potential	The product has not been tested.

<b>Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	≤ -0.866 (OECD 107 method)
Bioaccumulative potential	Bioaccumulation unlikely.

<b>D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	1.72 (40 °C; Read-Across)
Bioaccumulative potential	Bioaccumulation unlikely.

<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	1 (20 °C; pH 7; (OECD 117 method))
Bioaccumulative potential	Bioaccumulation unlikely.

<b>(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.232 (Quantitative structure-activity relationship (QSAR))
Bioaccumulative potential	Low bioaccumulation potential.

### 12.4. Mobility in soil

<b>One Seven class B(FF) 0.5% (concentrate)</b>	
Ecology - soil	Expected to be highly mobile in soil.

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## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

<b>Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)</b>	
Ecology - soil	Expected to be highly mobile in soil.

<b>D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)</b>	
Partition coefficient n-octanol/water (Log Koc)	1.7 (25 °C; (OECD 121 method))
Ecology - soil	Expected to be highly mobile in soil.

<b>2-(2-butoxyethoxy)ethanol (112-34-5)</b>	
Ecology - soil	Expected to be highly mobile in soil.

<b>(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)</b>	
Partition coefficient n-octanol/water (Log Koc)	3.5 (20 °C; Read-across)
Ecology - soil	Small adsorption.

### 12.5. Results of PBT and vPvB assessment

<b>One Seven class B(FF) 0.5% (concentrate)</b>	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

<b>Component</b>	
2-(2-butoxyethoxy)ethanol (112-34-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
(carboxymethyl)dimethyl-3-[(1-oxododecyl)amino]propylammonium hydroxide (4292-10-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
D-Glucopyranose, oligomers, decyl octyl glycosides (68515-73-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods

: Disposal must be done according to official regulations. Do not dispose of with domestic waste.

Product/Packaging disposal recommendations

: Disposal must be done according to official regulations. Clean using water and a detergent.

European List of Waste (LoW) code

: 16 03 05\* - organic wastes containing dangerous substances

HP Code

: HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

##### Rail transport

Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
Reference code	Applicable on
3(b)	One Seven class B(FF) 0.5% (concentrate) ; 2-(2-butoxyethoxy)ethanol
55.	2-(2-butoxyethoxy)ethanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### 15.1.2. National regulations

###### United Kingdom

Other information

: This safety data sheet is for informational purposes only and does not comply with national legal requirements without reference to a national distributor. The national distributor is responsible for a legally compliant safety data sheet.

# One Seven class B(FF) 0.5% (concentrate)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	General revision		SDS EU format according to COMMISSION REGULATION (EU) 2020/878
8.1	DNEL	Modified	
8.1	PNEC	Modified	
8.2	Personal protective equipment	Modified	
9.1	Physical and chemical properties	Modified	

Data sources : Information provided by the manufacturer. MSDS of the supplier. European Chemicals Agency, <http://echa.europa.eu/>.

Department issuing data : KFT Chemieservice GmbH  
specification sheet: Im Leuschnerpark 3  
D-64347 Griesheim

Phone: +49 6155-8981-400  
Fax: +49 6155 8981-500  
SDS Service: +49 6155 8981-522

Contact person : Julia Wack

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Dam. 1	H318	Calculation method
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KFT SDS EU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.