

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

1.1. Product identifier

Product form : Mixture
Trade name : One Seven class A 0.3% (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 - 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]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Reproductive toxicity, Category 2	H361d

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

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Suspected of damaging fertility or the unborn child.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

GHS08

Signal word (CLP) : Danger

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Contains	: Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts, 2-methylpentane-2,4-diol, Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine, sodium decyl sulphate, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-10 (even numbered) acyl derivs., hydroxides, inner salts
Hazard statements (CLP)	: H315 - Causes skin irritation. H318 - Causes serious eye damage. H361d - Suspected of damaging the unborn child.
Precautionary statements (CLP)	: P201 - Obtain special instructions before use. P264 - Wash hands thoroughly after handling. P280 - Wear protective clothing, eye protection, face protection. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. P308+P313 - IF exposed or concerned: Get medical advice/attention.
EUH-statements	: EUH208 - Contains METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE. May produce an allergic reaction.

2.3. Other hazards

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

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts (160901-27-9)	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
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-10 (even numbered) acyl derivs., hydroxides, inner salts	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
2-methylpentane-2,4-diol (107-41-5)	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
sodium decyl sulphate (142-87-0)	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
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	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

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 at a concentration equal to or greater than 0,1 %

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 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

3.2. Mixtures

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	≥ 25 – < 50	Eye Irrit. 2, H319
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts	CAS-No.: 160901-27-9 EC-No.: 500-464-9 REACH-no: 01-2119976273-31-xxxx	≥ 10 – < 20	Skin Irrit. 2, H315 Eye Dam. 1, H318
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-10 (even numbered) acyl derivs., hydroxides, inner salts	REACH-no: 01-2120136381-65-xxxx	≥ 5 – < 10	Eye Dam. 1, H318 Aquatic Chronic 3, H412
2-methylpentane-2,4-diol substance with national workplace exposure limit(s) (GB)	CAS-No.: 107-41-5 EC-No.: 203-489-0 EC Index-No.: 603-053-00-3 REACH-no: 01-2119539582-35-xxxx	≥ 5 – < 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine	CAS-No.: 90583-18-9 EC-No.: 939-265-0 REACH-no: 01-2119970645-28-xxxx	≥ 5 – < 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
sodium decyl sulphate	CAS-No.: 142-87-0 EC-No.: 205-568-5 REACH-no: 01-2119970328-30-xxxx	≥ 5 – < 10	Acute Tox. 4 (Oral), H302 (ATE=977 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (Note B)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	< 0.1	Acute Tox. 3 (Oral), H301 (ATE=64 mg/kg bodyweight) Acute Tox. 2 (Dermal), H310 (ATE=87.12 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.33 mg/l/4h) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts	CAS-No.: 160901-27-9 EC-No.: 500-464-9 REACH-no: 01-2119976273-31-xxxx	(5 ≤C < 10) Eye Irrit. 2, H319 (10 ≤C < 100) Eye Dam. 1, H318
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine	CAS-No.: 90583-18-9 EC-No.: 939-265-0 REACH-no: 01-2119970645-28-xxxx	(10 ≤C < 20) Eye Irrit. 2, H319 (20 ≤C < 100) Eye Dam. 1, H318

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

sodium decyl sulphate	CAS-No.: 142-87-0 EC-No.: 205-568-5 REACH-no: 01-2119970328-30-xxxx	(10 ≤C < 20) Eye Irrit. 2, H319 (20 ≤C < 100) Eye Dam. 1, H318
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	(0.0015 ≤C ≤ 100) Skin Sens. 1A, H317 (0.06 ≤C < 0.6) Eye Irrit. 2, H319 (0.06 ≤C < 0.6) Skin Irrit. 2, H315 (0.6 ≤C ≤ 100) Eye Dam. 1, H318 (0.6 ≤C ≤ 100) Skin Corr. 1C, H314

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
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. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. 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. 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 : Irritation. Erythema. May cause sensitisation of susceptible persons. May cause an allergic skin reaction.
- 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 : Use extinguishing media appropriate for surrounding fire. 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 : No information available.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Sulphur oxides. Nitrogen oxides. Ammonia.

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. Disposal must be done according to official regulations.

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

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".

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Avoid sub-soil penetration. Dilute with plenty of water. Notify authorities if product enters sewers or public waters.

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 liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.

Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not use over burning metal or on live electrical equipment!.
Direction for use. Observe technical data sheet. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Product must only be kept in the original packaging. Keep container tightly closed. Storage in foam tanks and stationary fire-fighting facilities and mobile fire-fighting vehicles is possible. Keep cool. Store locked up.

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. Dosage: 0,1-1%. Fire. Class A.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2-(2-butoxyethoxy)ethanol (112-34-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-(2-Butoxyethoxy)ethanol
IOEL TWA	67.5 mg/m ³
IOEL TWA [ppm]	10 ppm
IOEL STEL	101.2 mg/m ³
IOEL STEL [ppm]	15 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	2-(2-Butoxyethoxy)ethanol
WEL TWA (OEL TWA) [1]	67.5 mg/m ³
WEL TWA (OEL TWA) [2]	10 ppm
WEL STEL (OEL STEL)	101.2 mg/m ³
WEL STEL (OEL STEL) [ppm]	15 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
2-methylpentane-2,4-diol (107-41-5)	
United Kingdom - Occupational Exposure Limits	
Local name	2-Methylpentane-2,4-diol
WEL TWA (OEL TWA) [1]	123 mg/m ³
WEL TWA (OEL TWA) [2]	25 ppm
WEL STEL (OEL STEL)	123 mg/m ³
WEL STEL (OEL STEL) [ppm]	25 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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

2-(2-butoxyethoxy)ethanol (112-34-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	101.2 mg/m ³
Long-term - local effects, inhalation	67.5 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	6.25 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	1.1 mg/l
PNEC aqua (marine water)	0.11 mg/l
PNEC aqua (intermittent, freshwater)	11 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	4.4 mg/kg dwt

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

PNEC sediment (marine water)	0.44 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.32 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	56 mg/kg food
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts (160901-27-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day
Long-term - local effects, dermal	132 µg/cm ²
Long-term - systemic effects, inhalation	175 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	52 mg/m ³
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day
Long-term - local effects, dermal	79 µg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	0.106 mg/l
PNEC aqua (marine water)	0.011 mg/l
PNEC aqua (intermittent, freshwater)	0.071 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.384 mg/kg dwt
PNEC sediment (marine water)	0.038 mg/kg dwt
PNEC (Soil)	
PNEC soil	7.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10000 mg/l
2-methylpentane-2,4-diol (107-41-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	98 mg/m ³
Long-term - systemic effects, dermal	63 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44.43 mg/m ³
Long-term - local effects, inhalation	49 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	49 mg/m ³
Long-term - systemic effects, oral	2.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	7.83 mg/m ³
Long-term - systemic effects, dermal	22.5 mg/kg bodyweight/day
Long-term - local effects, inhalation	25 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.429 mg/l

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

PNEC aqua (marine water)	0.043 mg/l
PNEC aqua (intermittent, freshwater)	4.29 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.59 mg/kg dwt
PNEC sediment (marine water)	0.159 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.066 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	20 mg/l
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4060 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	285 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	24 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	85 mg/m ³
Long-term - systemic effects, dermal	2440 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.012 mg/l
PNEC aqua (marine water)	0.001 mg/l
PNEC aqua (intermittent, freshwater)	0.036 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.422 mg/kg dwt
PNEC sediment (marine water)	0.042 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.083 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1.35 mg/l
sodium decyl sulphate (142-87-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4060 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	285 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	24 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	85 mg/m ³
Long-term - systemic effects, dermal	2440 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.095 mg/l
PNEC aqua (marine water)	0.0095 mg/l
PNEC aqua (intermittent, freshwater)	0.086 mg/l

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

PNEC (Sediment)	
PNEC sediment (freshwater)	1.5 mg/kg dwt
PNEC sediment (marine water)	0.15 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.244 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1.35 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

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

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. EN ISO 13688. EN 13034

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 insufficient ventilation, wear suitable respiratory equipment. In case of unintentional release of substance, exceeding the occupational exposure limit value A-P2. EN 149. 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. Remove soiled clothing promptly. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: yellowish.
Odour	: characteristic.
Odour threshold	: Not determined
Melting point	: Not applicable
Freezing point	: ≤ -15 °C (1 atm)

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Boiling point	: 90 – 130 °C (1 atm)
Flammability	: Non flammable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
pH	: 7 – 8 (20 °C)
Viscosity, kinematic	: ≤ 25 mm ² /s (20 °C)
Solubility	: Water: 100 % (20 °C)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not determined
Density	: 1.025 – 1.035 g/cm ³ (20 °C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: 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

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

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 A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

One Seven class A 0.3% (concentrate)	
ATE CLP (oral)	> 5000 mg/kg bodyweight
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	
LD50 oral rat	500 – 2000 mg/kg bodyweight ((OECD 401 method), Read-across CAS: 85586-07-8)
LD50 dermal rat	> 2000 mg/kg bodyweight ((OECD 402 method), Read-across CAS: 142-31-4)
sodium decyl sulphate (142-87-0)	
LD50 oral rat	977 mg/kg (female; (OECD 401 method); Read-across CAS: 151-21-3)
LD50 dermal rat	> 2000 mg/kg bodyweight ((OECD 402 method); Read-across CAS: 142-31-4)
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LD50 oral rat	64 mg/kg bodyweight (male)
LD50 dermal rabbit	87.12 mg/kg bodyweight (Active substance; male)
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l/4h (Active substance; (OECD 403 method))

Skin corrosion/irritation	: Causes skin irritation. pH: 7 – 8 (20 °C)
Additional information	: (OECD 439 method)
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)
Additional information	: May cause sensitisation of susceptible persons
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	: Suspected of damaging the unborn child.
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)

One Seven class A 0.3% (concentrate)	
Viscosity, kinematic	≤ 25 mm ² /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)

One Seven class A 0.3% (concentrate)	
EC50 - Crustacea [2]	> 200 mg/l (48 h; Daphnia sp.; (OECD 202 method))
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	
LC50 - Fish [1]	3.6 mg/l (96 h; Oncorhynchus mykiss; (OECD 203 method))
EC50 - Crustacea [1]	7.1 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	9.3 mg/l (72 h; Desmodesmus subspicatus; EU Method C.3)
NOEC chronic fish	≥ 1.357 mg/l (42 d; Pimephales promelas; Read-across)

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

NOEC chronic crustacea	0.88 mg/l (7 d; Ceriodaphnia dubia; Read-across)
NOEC chronic algae	3 mg/l (72 h; Desmodesmus subspicatus; Test method EU C.3)
sodium decyl sulphate (142-87-0)	
LC50 - Fish [1]	13 mg/l (48 h, Cyprinus carpio (Common carp))
EC50 - Crustacea [1]	470 mg/l (24 h, Daphnia magna (Water flea))
ErC50 algae	8.64 mg/l (72 h, Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic fish	≥ 1.357 mg/l (42 d; Pimephales promelas; Read-across CAS: 151-21-3)
NOEC chronic crustacea	1.4 mg/l (21 d; Daphnia magna (Water flea); (OECD 211 method))
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
LC50 - Fish [1]	0.19 mg/l (96 h; Oncorhynchus mykiss; EPA OPP 72-1)
EC50 - Crustacea [1]	0.18 mg/l (48 h; Daphnia magna; EPA OPP 72-2)
ErC50 algae	0.0273 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic fish	0.098 mg/l (28 d; Oncorhynchus mykiss; (OECD 215 method))
NOEC chronic crustacea	0.328 mg/l (21 d; Daphnia magna; (OECD 211 method))
NOEC chronic algae	0.0066 mg/l (72 h; Skeletonema costatum (marine diatom); (OECD 201 method))
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-10 (even numbered) acyl derivs., hydroxides, inner salts	
LC50 - Fish [1]	> 100 mg/l (96h; Danio reiro; (OECD 203 method))
EC50 - Crustacea [1]	≈ 1.9 mg/l (48h; Daphnia Magna; (OECD 202 method))
NOEC chronic fish	0.135 mg/l (100d; Oncorhynchus mykiss (Rainbow trout); (OECD 210 method))

12.2. Persistence and degradability

One Seven class A 0.3% (concentrate)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	450 g/l (DIN 1899 – 1 (H 51); 5 days)
Chemical oxygen demand (COD)	1300 g/l (DIN EN 38409 – H41 - 1)
Biodegradation	≈ 99 % (7 d)
2-(2-butoxyethoxy)ethanol (112-34-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	≈ 85 % (28 d; (OECD-Method 301C))
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts (160901-27-9)	
Persistence and degradability	Readily biodegradable.
Biodegradation	≈ 100 % (28 d; ISO 14593; Read-across CAS: 160901-28-0)
2-methylpentane-2,4-diol (107-41-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	81 % (28 d; (OECD 301F method))
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	
Persistence and degradability	Readily biodegradable.
Biodegradation	95 % (28 d; Test method EU C.4-A)

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

sodium decyl sulphate (142-87-0)	
Persistence and degradability	Readily biodegradable.
Biodegradation	> 90 % (30 d; (OECD 301D method))
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Persistence and degradability	Readily biodegradable, failing 10-d window.
Biodegradation	62 % (29 d; (OECD 301B method))
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-10 (even numbered) acyl derivs., hydroxides, inner salts	
Persistence and degradability	Readily biodegradable.
Biodegradation	81 % (28d; (OECD 301B method))

12.3. Bioaccumulative potential

One Seven class A 0.3% (concentrate)	
Bioaccumulative potential	The product has not been tested. Bioaccumulation unlikely. (based on the single components).
2-(2-butoxyethoxy)ethanol (112-34-5)	
Partition coefficient n-octanol/water (Log Pow)	1 (20 °C; pH 7; (OECD 117 method))
Bioaccumulative potential	Bioaccumulation unlikely.
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts (160901-27-9)	
Partition coefficient n-octanol/water (Log Pow)	≤ -0.89 (1-2,5 EO; (OECD 107 method))
Bioaccumulative potential	Bioaccumulation unlikely.
2-methylpentane-2,4-diol (107-41-5)	
Partition coefficient n-octanol/water (Log Pow)	0.58 (Quantitative structure-activity relationship (QSAR))
Bioaccumulative potential	Bioaccumulation unlikely.
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	
Partition coefficient n-octanol/water (Log Pow)	< -0.866 (20°C; Calculation method)
Bioaccumulative potential	Bioaccumulation unlikely.
sodium decyl sulphate (142-87-0)	
Partition coefficient n-octanol/water (Log Pow)	1.72 (25 °C; pH 7,95; (OECD 123 method))
Bioaccumulative potential	Bioaccumulation unlikely.
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Bioconcentration factor (BCF REACH)	≈ 41 (20 °C; 0.12 mg/L; EPA OPP 165-4)
Partition coefficient n-octanol/water (Log Pow)	-0.32 – 0.7 (20 °C; (OECD 117 method))

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-10 (even numbered) acyl derivs., hydroxides, inner salts	
Partition coefficient n-octanol/water (Log Pow)	2.2 (20°C; C8,C10;Quantitative structure-activity relationship (QSAR))

12.4. Mobility in soil

One Seven class A 0.3% (concentrate)	
Ecology - soil	Expected to be highly mobile in soil.
2-(2-butoxyethoxy)ethanol (112-34-5)	
Ecology - soil	Expected to be highly mobile in soil.
Alcohols, C9-11, branched and linear, ethoxylated, sulfates, ammonium salts (160901-27-9)	
Ecology - soil	Expected to be highly mobile in soil.
2-methylpentane-2,4-diol (107-41-5)	
Ecology - soil	Expected to be highly mobile in soil.
Sulfuric acid, mono-C12-14-alkyl esters, compds. with triethanolamine (90583-18-9)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.13 – 3.19 (25 °C; Read-across CAS: 1191-50-0)
Ecology - soil	Small adsorption.
sodium decyl sulphate (142-87-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.09 – 2.25 (25 °C)
Ecology - soil	Expected to be highly mobile in soil.
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
Surface tension	73 mN/m (19.5 °C; 1 g/L; Test method EU A.5)
Ecology - soil	Low mobility (soil).

12.5. Results of PBT and vPvB assessment

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

One Seven class A 0.3% (concentrate)	
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 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

No additional information available

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Do not dispose of with domestic waste. European waste catalogue. Disposal must be done according to official regulations. Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Recycle or dispose of in compliance with current legislation.
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. HP10 - "Toxic for reproduction:" waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
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

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(b)	One Seven class A 0.3% (concentrate) ; 2-(2-butoxyethoxy)ethanol ; 2-methylpentane-2,4-diol ; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
3(c)	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
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

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Other information, restriction and prohibition : Take note of Directive 94/33/EC on the protection of young people at work. Take note of regulations Directive 92/85/EC on the safety and health of pregnant workers at work.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

United Kingdom

National regulations : Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

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

Indication of changes			
Section	Changed item	Change	Comments
	General revision		
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	EUH-statements	Added	
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3.2	Components	Added	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
EC50	Median effective concentration
DNEL	Derived-No Effect Level
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
NOEC	No-Observed Effect Concentration
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
TLM	Median Tolerance Limit
CAS-No.	Chemical Abstract Service number

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

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

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

Contact person : Johannes Rath

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.

Full text of H- and EUH-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

One Seven class A 0.3% (concentrate)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A

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

Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
Repr. 2	H361d	Calculation method

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.