

SAFETY DATA SHEET

According to REACH etc. (Amendment etc.) (EU Exit) Regulations
2019

schülke 

thermosept® PAA additive **No Change Service!**

Version Revision Date: Date of last issue: 23.04.2021
05.00 27.04.2023

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

1.1 Product identifier

Trade name : thermosept® PAA additive
Unique Formula Identifier : 3M90-V042-1008-WT3A
(UFI)

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

Use of the Sub- : Additive
stance/Mixture

Recommended restrictions : Restricted to professional users.
on use

1.3 Details of the supplier of the safety data sheet

Producer : BIOXAL
ZI Sud Secteur A
Route des Varennes

71100 Chalon-sur-Saône
France
Telephone: + 33 (0) 3 85 92 30 00
Telefax: + 33 (0) 3 85 92 30 12

Supplier : Schülke & Mayr UK Ltd.
Cygnet House
1, Jenkin Road, Meadowhall

Sheffield S9 1AT
United Kingdom
Telephone: +44 114 254 35 00
Telefax: +44 114 254 35 01
mail.uk@schulke.com

1.4 Emergency telephone number

Emergency telephone num- : Carechem 24 International: +44 1235 239670
ber

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Corrosive to metals, Category 1 H290: May be corrosive to metals.

Skin corrosion, Sub-category 1A H314: Causes severe skin burns and eye damage.

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Serious eye damage, Category 1

H318: Causes serious eye damage.

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms

:



Signal word

:

Danger

Hazard statements

:

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

:

Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P310 Immediately call a POISON CENTER/ doctor.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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

Hazardous components which must be listed on the label:

potassium hydroxide

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.

No hazards to be specially mentioned.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

:

Solution of the following substances

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Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
potassium hydroxide	1310-58-3 215-181-3 019-002-00-8 01-2119487136-33-XXXX	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318 specific concentra- tion limit Skin Corr. 1A; H314 >= 5 % Skin Corr. 1B; H314 2 - < 5 % Skin Irrit. 2; H315 0.5 - < 2 % Eye Irrit. 2; H319 0.5 - < 2 %	>= 10 - < 20
benzotriazole	95-14-7 202-394-1 - - - 01-2119979079-20-XXXX	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 2.5 - < 10
Alcohols, C12-15-branched and linear, ethoxylated propoxylated	120313-48-6 - - - - - - - - -	Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 3; H412 M-Factor (Acute aquatic toxicity): 1	>= 0.1 - < 0.25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.
- If inhaled : Move the victim to fresh air and keep him calm.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
Call a physician immediately.

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- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Protect unharmed eye.
Call a physician immediately.
- If swallowed : Do NOT induce vomiting.
Rinse mouth with water.
Give small amounts of water to drink.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Treat symptomatically.

 Risks : Causes serious eye damage.
Causes severe burns.

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 : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
The product itself does not burn.

Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Gives off hydrogen by reaction with metals.
Risk of explosion.
Contaminated surfaces will be extremely slippery.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Increased risk of slipping in the presence of leaked / spilled product.

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6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

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

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 : Handle and open container with care.
Never return unused material to storage receptacle.

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

Hygiene measures : Keep away from food and drink. Take off all contaminated clothing immediately.

7.2 Conditions for safe storage, including any incompatibilities

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

Further information on storage conditions : Recommended storage temperature: 5 - 30°C

Advice on common storage : Do not store near acids.

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
potassium hydroxide	1310-58-3	STEL	2 mg/m ³	GB EH40

Derived No Effect Level (DNEL):

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Substance name	End Use	Exposure routes	Potential health effects	Value
potassium hydroxide	Workers	Inhalation	Long-term local effects	1 mg/m ³
benzotriazole	Workers	Skin contact	Long-term systemic effects	0.24 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	4.2 mg/m ³
potassium dihydrogenorthophosphate	Workers	Inhalation	Long-term systemic effects	4.07 mg/m ³

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
benzotriazole	Fresh water	0.019 mg/l
	Marine water	0.019 mg/l
	Marine sediment	0.22 mg/kg
	Fresh water sediment	0.22 mg/kg
	Soil	0.03 mg/kg
	Sewage treatment plant	0.1 mg/l
potassium dihydrogenorthophosphate	Fresh water	0.05 mg/l
	Marine water	0.005 mg/l
	Intermittent use/release	0.5 mg/l
	Sewage treatment plant	50 mg/l

8.2 Exposure controls

Engineering measures

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye/face protection : Face-shield

Hand protection

Directive : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Remarks : Splash protection: disposable nitrile rubber gloves e.g. Dermatril (layer thickness: 0.11 mm) made by KCL or gloves from other manufacturers offering the same protection. Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Wear as appropriate:
Chemical resistant apron
Boots

Respiratory protection : No personal respiratory protective equipment normally re-

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quired.

Protective measures : Avoid contact with skin and eyes.
When using do not eat or drink.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : light yellow

Odour : odourless

Odour Threshold : not determined

pH : > 13 (20 °C)

Melting point/freezing point : < -5 °C

Decomposition temperature : Not applicable

Boiling point/boiling range : ca. 100 °C

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Upper explosion limit / Upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Vapour pressure : No data available

Relative vapour density : No data available

Density : 1.17 g/cm³ (20 °C)

Solubility(ies)
Water solubility : completely soluble (20 °C)

Partition coefficient: n-octanol/water : Not applicable

Auto-ignition temperature : Not applicable

Viscosity
Viscosity, dynamic : No data available

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Explosive properties : Not applicable

Oxidizing properties : Not applicable

9.2 Other information

Metal corrosion rate : Corrosive to metals Aluminium and Mild steel

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 : Gives off hydrogen by reaction with metals.
reaction with acids.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Possible incompatibility with alkali sensitive materials.
Acids

10.6 Hazardous decomposition products

none

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

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

Components:

potassium hydroxide:

Acute oral toxicity : LD50 (Rat): 365 mg/kg
Method: OECD Test Guideline 425
Assessment: Harmful if swallowed.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

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||

benzotriazole:

|| Acute oral toxicity : LD50 (Rat): 560 mg/kg
Method: OECD Test Guideline 423
Assessment: Harmful if swallowed.

|| Acute inhalation toxicity : Remarks: No data available

|| Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

|| Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: Calculated value

|| Acute inhalation toxicity : Remarks: not determined

|| Acute dermal toxicity : Remarks: not determined

Skin corrosion/irritation

Causes severe burns.

Components:

potassium hydroxide:

|| Species : reconstructed human epidermis (RhE)
|| Method : OECD Test Guideline 431
|| Result : Corrosive after 3 minutes or less of exposure

benzotriazole:

|| Remarks : May cause skin irritation in susceptible persons.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

|| Species : Rabbit
|| Method : Draize Test
|| Result : Skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

potassium hydroxide:

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

benzotriazole:

|| Result : Eye irritation

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Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

potassium hydroxide:

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

benzotriazole:

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

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Remarks : No data available

Germ cell mutagenicity

Not classified based on available information.

Components:

potassium hydroxide:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

benzotriazole:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Result: negative

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

Germ cell mutagenicity- Assessment : Experiments showed mutagenic effects in cultured bacterial cells.

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Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)
Result: negative

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Carcinogenicity

Not classified based on available information.

Components:

potassium hydroxide:

Carcinogenicity - Assessment : No data available

benzotriazole:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Reproductive toxicity

Not classified based on available information.

Components:

potassium hydroxide:

Reproductive toxicity - Assessment : No data available

benzotriazole:

Reproductive toxicity - Assessment : According to experience not expected

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

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

STOT - single exposure

Not classified based on available information.

Components:

potassium hydroxide:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

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benzotriazole:

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

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

||Remarks : No data available

STOT - repeated exposure

Not classified based on available information.

Components:

potassium hydroxide:

||Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

benzotriazole:

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

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

||Remarks : No data available

Repeated dose toxicity

Components:

benzotriazole:

||Species : Rat
||LOAEL : 335 mg/kg
||Application Route : Oral
||Exposure time : 1.5 yr
||Method : OECD Test Guideline 451

Aspiration toxicity

Not classified based on available information.

Components:

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

||Due to the viscosity, this product does not present an aspiration hazard.

Further information

Product:

Remarks : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

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SECTION 12: Ecological information

12.1 Toxicity

Components:

potassium hydroxide:

Toxicity to fish : LC50 (Gambusia affinis (Mosquito fish)): 80 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

Ecotoxicology Assessment

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

benzotriazole:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 26 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia galeata (water flea)): 15.8 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC10 (Pseudokirchneriella subcapitata (green algae)): 1.18 mg/l
Exposure time: 72 h

EC50 (Pseudokirchneriella subcapitata (green algae)): 29 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: 0.97 mg/l
Exposure time: 21 d
Species: Daphnia galeata (water flea)
Method: OECD Test Guideline 211

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Toxicity to fish : LC50 (Leuciscus idus): 1 - 10 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 0.1 - 1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (algae): 0.1 - 1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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M-Factor (Acute aquatic toxicity) : 1

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0.1 - < 1 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

12.2 Persistence and degradability

Components:

potassium hydroxide:

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

benzotriazole:

Biodegradability : Result: Not rapidly biodegradable
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

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

12.3 Bioaccumulative potential

Components:

potassium hydroxide:

Bioaccumulation : Remarks: Does not bioaccumulate.

benzotriazole:

Bioaccumulation : Bioconcentration factor (BCF): 4.14
Remarks: Accumulation in aquatic organisms is unlikely.

Partition coefficient: n-octanol/water : Pow: 1.34 (22.7 °C)
Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is possible.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Bioaccumulation : Remarks: Accumulation in aquatic organisms is unlikely.

12.4 Mobility in soil

Components:

potassium hydroxide:

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Mobility : Remarks: Mobile in soils

benzotriazole:

Mobility : Remarks: No data available

Alcohols, C12-15-branched and linear, ethoxylated propoxylated:

Mobility : Remarks: Substance does not evaporate from water surface into the atmosphere., Adsorption to solid soil phase is possible.

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 potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

ADR : UN 1814

IMDG : UN 1814

IATA : UN 1814

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14.2 UN proper shipping name

ADR : POTASSIUM HYDROXIDE SOLUTION
IMDG : POTASSIUM HYDROXIDE SOLUTION
IATA : Potassium hydroxide solution

14.3 Transport hazard class(es)

ADR : 8
IMDG : 8
IATA : 8

14.4 Packing group

ADR
Packing group : II
Classification Code : C5
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)

IMDG
Packing group : II
Labels : 8
EmS Code : F-A, S-B

IATA (Cargo)
Packing instruction (cargo aircraft) : 855
Packing instruction (LQ) : Y840
Packing group : II
Labels : Corrosive

IATA (Passenger)
Packing instruction (passenger aircraft) : 851
Packing instruction (LQ) : Y840
Packing group : II
Labels : Corrosive

14.5 Environmental hazards

ADR
Environmentally hazardous : no

IMDG
Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

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SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 3
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 3.55 %
according to Detergents Regulation EC 648/2004	:	less than 5 %: Non-ionic surfactants

Other regulations:

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

TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory
AIIC	:	On the inventory, or in compliance with the inventory
DSL	:	This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL. Alcohols, C12-15-branched and linear, ethoxylated propoxylated
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

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NZIoC : Not in compliance with the inventory
TECI : On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

Exempt

SECTION 16: Other information

Full text of H-Statements

H290 : May be corrosive to metals.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.
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
Met. Corr. : Corrosive to metals
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
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; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - 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

SAFETY DATA SHEET

According to REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

schülke 

thermosept® PAA additive

No Change Service!

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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; TECl - 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:

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318
Aquatic Chronic 3	H412

Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method

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

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