

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) ***No Change Service!***

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

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

1.1 Product identifier

Trade name : gigasept® FF (new)

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

Use of the Sub-
stance/Mixture : Disinfectants

Recommended restrictions
on use : Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Producer : Schülke & Mayr GmbH
Robert-Koch-Str. 2

22851 Norderstedt
Germany
Telephone: +49 (0)40/ 52100-0
Telefax: +49 (0)40/ 52100318
mail@schuelke.com
www.schuelke.com

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

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

E-mail address of person
responsible for the
SDS/Contact person : Application Specialists
+49 (0)40/ 521 00 666
AD@schuelke.com
(Schülke & Mayr UK Ltd.: +44-1142543500)

1.4 Emergency telephone number

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

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)

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

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Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 2	H371: May cause damage to organs if swallowed.
Specific target organ toxicity - single exposure, Category 2	H371: May cause damage to organs if inhaled.

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

:

H318 Causes serious eye damage.
H302 + H332 Harmful if swallowed or if inhaled.
H371 May cause damage to organs.

Precautionary statements

:

Prevention:

P260 Do not breathe vapours.
P280 Wear eye protection/ face protection.

Response:

P310 Immediately call a POISON CENTER/ doctor.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Reaction product of DMO-THF, ethanol and water

2-(2-hexyloxyethoxy)ethanol

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear

Additional Labelling

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) **No Change Service!**

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

The product is classified in accordance with Annex I (2.6.4.5) to Regulation (EC) 1272/2008.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Solution of the following substances with harmless additives.

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Reaction product of DMO-THF, ethanol and water	- - - 942-851-9 - - - 01-2120763992-41-0000	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 2; H371 STOT SE 2; H371	>= 90 - <= 100
2-(2-hexyloxyethoxy)ethanol	112-59-4 203-988-3 603-175-00-7 01-2119945815-28-XXXX	Acute Tox. 4; H312 Eye Dam. 1; H318	>= 1 - < 3
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear	127036-24-2 - - - - - - - - -	Eye Dam. 1; H318	>= 1 - < 3

For explanation of abbreviations see section 16.

Other information

REACTION PRODUCT OF DMO-THF, CORRESPONDS TO Succindialdehyde (638-37-9), 2,5- Dimethoxytetrahydrofuran (696-59-3), Ethanol (64-17-5), Methanol (67-56-1), water (7732-18-5)

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.
No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus.
If symptoms persist, call a physician.

SAFETY DATA SHEET

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



gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

- | | | |
|-------------------------|---|---|
| In case of skin contact | : | Wash off immediately with plenty of water.
If symptoms persist, call a physician. |
| In case of eye contact | : | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist. |
| If swallowed | : | Do NOT induce vomiting.
Clean mouth with water and drink afterwards plenty of water.
Call a physician immediately. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|--|
| Symptoms | : | Treat symptomatically. |
| Risks | : | Harmful if swallowed or if inhaled.
Causes serious eye damage.
May cause damage to organs. |

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|--|
| Treatment | : | For specialist advice physicians should contact the Poisons Information Service. |
|-----------|---|--|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | Dry powder
Foam
Water spray jet
Carbon dioxide (CO ₂) |
| Unsuitable extinguishing media | : | Do NOT use water jet. |

5.2 Special hazards arising from the substance or mixture

- | | | |
|---------------------------------------|---|--|
| Specific hazards during fire-fighting | : | No information available. |
| Hazardous combustion products | : | No hazardous combustion products are known |

5.3 Advice for firefighters

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

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) *No Change Service!*

Version
04.04

Revision Date:
07.09.2022

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

see Section 8 + 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Wear personal protective equipment.

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

Hygiene measures : When using do not eat, drink or smoke. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container. Keep at temperature not exceeding 25 °C.

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

Advice on common storage : No materials to be especially mentioned.
Keep away from food and drink.

7.3 Specific end use(s)

Specific use(s) : none

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) *No Change Service!*

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
Reaction product of DMO-THF, ethanol and water	Workers	Inhalation	Acute local effects	520 mg/m3
	Workers	Inhalation	Long-term local effects	260 mg/m3
	Workers	Inhalation	Acute systemic effects	520 mg/m3
	Workers	Inhalation	Long-term systemic effects	260 mg/m3
	Workers	Skin contact	Acute systemic effects	40 mg/kg
	Workers	Skin contact	Long-term systemic effects	40 mg/kg
2-(2-hexyloxyethoxy)ethanol	Workers	Skin contact	Long-term systemic effects	50 mg/kg
	Workers	Inhalation	Long-term systemic effects	16.3 mg/m3

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
Reaction product of DMO-THF, ethanol and water	Fresh water	0.011 mg/l
	Marine water	0.0011 mg/l
	Effects on waste water treatment plants	25 mg/l
	Fresh water sediment	1 mg/kg
	Marine sediment	0.1 mg/kg
	Soil	1 mg/kg
2-(2-hexyloxyethoxy)ethanol	Fresh water	1.963 mg/l
	Marine water	0.1986 mg/l
	Intermittent use/release	1 mg/l
	Effects on waste water treatment plants	10 mg/l
	Fresh water sediment	10.7 mg/kg
	Marine sediment	1.07 mg/kg
	Soil	0.02 mg/kg

8.2 Exposure controls

Personal protective equipment

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

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

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

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 required. Ensure adequate ventilation, especially in confined areas. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.
Protective measures	: Avoid contact with skin and eyes. Do not breathe vapour.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: green
Odour	: characteristic
Odour Threshold	: not determined
pH	: 6.3 - 6.6 (20 °C) Concentration: 100 %
Melting point/freezing point	: ca. -24 °C Method: Bridging principle "Substantially similar mixtures".
Decomposition temperature	No data available
Boiling point/boiling range	: ca. 90 °C
Flash point	: 38.5 °C Method: DIN 51755 Part 1
Evaporation rate	: No data available
Upper explosion limit / Upper flammability limit	: No data available

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	ca. 39 hPa (20 °C) Method: Bridging principle "Substantially similar mixtures".
Relative vapour density	:	No data available
Density	:	ca. 1.01 g/cm ³ (20 °C)
Solubility(ies) Water solubility	:	completely soluble (20 °C)
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	ca. 455 °C Method: Bridging principle "Substantially similar mixtures".
Viscosity Viscosity, dynamic	:	No data available
Explosive properties	:	Not explosive Method: Bridging principle "Substantially similar mixtures".
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

9.2 Other information

Flammability (liquids)	:	Does not sustain combustion.
Metal corrosion rate	:	None reasonably foreseeable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : None reasonably foreseeable.

10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) *No Change Service!*

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

10.6 Hazardous decomposition products

None reasonably foreseeable.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed or if inhaled.

Product:

- Acute oral toxicity : LD50 (Rat): > 300 - 2,000 mg/kg
Assessment: Harmful if swallowed.
Remarks: The following toxicological data shown are those obtained from tests on products of similar composition.
- Acute inhalation toxicity : LC50 (Rat): ca. 2 mg/l
Test atmosphere: dust/mist
Method: OECD Test Guideline 436
Assessment: Harmful if inhaled.
Remarks: The toxicological data has been taken from products of similar composition.
- Acute toxicity estimate: 11.71 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg
Method: Calculation method
- Acute toxicity (other routes of administration) : LD50 intravenous (Rat): 363 mg/kg
Remarks: The following toxicological data shown are those obtained from tests on products of similar composition.

Components:

Reaction product of DMO-THF, ethanol and water:

- Acute oral toxicity : LD50 (Rat): > 300 - 2,000 mg/kg
Assessment: Harmful if swallowed.
Remarks: The toxicological data has been taken from products of similar composition.
- Acute inhalation toxicity : LC50 (Rat): 2 mg/l
Test atmosphere: dust/mist
Method: OECD Test Guideline 436
Assessment: The component/mixture is moderately toxic after short term inhalation.
- Acute dermal toxicity : Remarks: No data available

2-(2-hexyloxyethoxy)ethanol:

- Acute oral toxicity : LD50 (Rat, female): 3,487 mg/kg

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

Acute inhalation toxicity : LC0 (Rat): Exposure time: 8 h
Test atmosphere: vapour
Remarks: Due to the viscosity, this product does not present an aspiration hazard.

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Acute oral toxicity : LD50: > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Skin corrosion/irritation

Not classified based on available information.

Components:

Reaction product of DMO-THF, ethanol and water:

Result : No skin irritation

Remarks : The toxicological data has been taken from products of similar composition.

2-(2-hexyloxyethoxy)ethanol:

Result : No skin irritation

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Reaction product of DMO-THF, ethanol and water:

Result : Eye irritation

Remarks : The toxicological data has been taken from products of similar composition.

2-(2-hexyloxyethoxy)ethanol:

Species : Rabbit

Method : OECD Test Guideline 405

Result : Irreversible effects on the eye

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) *No Change Service!*

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

Species	: Rabbit
Result	: Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Species	: Guinea pig
Result	: Did not cause sensitisation on laboratory animals.
Remarks	: The toxicological data has been taken from products of similar composition.

Components:

Reaction product of DMO-THF, ethanol and water:

Species	: Guinea pig
Result	: Did not cause sensitisation on laboratory animals.
Remarks	: The toxicological data has been taken from products of similar composition.

2-(2-hexyloxyethoxy)ethanol:

Species	: Mouse
Result	: Did not cause sensitisation on laboratory animals.

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro	: Method: OECD Test Guideline 471 Result: Not mutagenic in Ames Test
	Method: OECD Test Guideline 476 Result: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Remarks: The toxicological data has been taken from products of similar composition.

Components:

Reaction product of DMO-THF, ethanol and water:

Genotoxicity in vitro	: Method: OECD Test Guideline 471
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SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

Result: Not mutagenic in Ames Test

Method: OECD Test Guideline 476

Result: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

2-(2-hexyloxyethoxy)ethanol:

Genotoxicity in vitro : Result: Did not show mutagenic effects in animal experiments.

Germ cell mutagenicity- Assessment : Did not show mutagenic effects in animal experiments.

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

Carcinogenicity

Not classified based on available information.

Components:

Reaction product of DMO-THF, ethanol and water:

Carcinogenicity - Assessment : No data available

2-(2-hexyloxyethoxy)ethanol:

Carcinogenicity - Assessment : No data available

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Carcinogenicity - Assessment : No data available

Reproductive toxicity

Not classified based on available information.

Components:

Reaction product of DMO-THF, ethanol and water:

Reproductive toxicity - Assessment : No data available

2-(2-hexyloxyethoxy)ethanol:

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

Reproductive toxicity - Assessment : No data available

STOT - single exposure

May cause damage to organs.

Product:

Exposure routes : Inhalation
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.
Remarks : The toxicological data has been taken from products of similar composition.

Exposure routes : Ingestion
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.
Remarks : The toxicological data has been taken from products of similar composition.

Components:

Reaction product of DMO-THF, ethanol and water:

Exposure routes : Inhalation
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.
Remarks : The toxicological data has been taken from products of similar composition.

Exposure routes : Ingestion
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 2.
Remarks : The toxicological data has been taken from products of similar composition.

2-(2-hexyloxyethoxy)ethanol:

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

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Remarks : No data available

STOT - repeated exposure

Not classified based on available information.

Components:

Reaction product of DMO-THF, ethanol and water:

Remarks : No data available

2-(2-hexyloxyethoxy)ethanol:

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

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) ***No Change Service!***

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Remarks : No data available

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No human information is available.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Reaction product of DMO-THF, ethanol and water:

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 48.32 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 12.96 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Desmodesmus subspicatus (green algae)): 10.81 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

2-(2-hexyloxyethoxy)ethanol:

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 200 - 230 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna): 370 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: Remarks: No data available

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other	: Remarks: not determined

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new)

No Change Service!

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

aquatic invertebrates

Toxicity to algae/aquatic plants : Remarks: not determined

Toxicity to microorganisms : EC50 (activated sludge): 100 - 500 mg/l
Exposure time: 3 h
Method: OECD 209

12.2 Persistence and degradability

Product:

Biodegradability : Result: Readily biodegradable.
Method: OECD 301D / EEC 84/449 C6
Remarks: Information given is based on data on the components and the ecotoxicology of similar products.

Components:

Reaction product of DMO-THF, ethanol and water:

Biodegradability : Result: Readily biodegradable.
Method: OECD 301D / EEC 84/449 C6
Remarks: Information given is based on data on the components and the ecotoxicology of similar products.

2-(2-hexyloxyethoxy)ethanol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 20 d
Method: OECD 301B/ ISO 9439/ EEC 84/449 C5

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

Biodegradability : Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 91 %
Exposure time: 28 d
Method: OECD Test Guideline 301E

12.3 Bioaccumulative potential

Components:

Reaction product of DMO-THF, ethanol and water:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

2-(2-hexyloxyethoxy)ethanol:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n- : log Pow: 1.7

SAFETY DATA SHEET

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

schülke 

gigasept® FF (new) ***No Change Service!***

Version
04.04

Revision Date:
07.09.2022

Date of last issue: 20.09.2021

|| octanol/water

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

|| Bioaccumulation : Remarks: not determined

12.4 Mobility in soil

Components:

2-(2-hexyloxyethoxy)ethanol:

|| Mobility : Remarks: Mobile in soils

Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-, branched and linear:

|| Mobility : Remarks: not determined

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 : none

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

SAFETY DATA SHEET

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

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Version
04.04

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ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA (Cargo) : Not regulated as a dangerous good
IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks : Not classified as supporting combustion according to the transport regulations.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

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

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

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial
emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 96.92 %

according to Detergents : less than 5 %: Anionic surfactants, Non-ionic surfactants
Regulation EC 648/2004 Other constituents: Perfumes

Other regulations:

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

TCSI : Not in compliance with the inventory

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

AIIC : Not in compliance with the inventory

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

Reaction product of DMO-THF, ethanol and water

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

NZIoC : Not in compliance with the inventory

TECI : Not in compliance with the inventory

15.2 Chemical safety assessment

Exempt

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed.
H312 : Harmful in contact with skin.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H371 : May cause damage to organs if inhaled.
H371 : May cause damage to organs if swallowed.

Full text of other abbreviations

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2019

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Acute Tox. : Acute toxicity
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
STOT SE : Specific target organ toxicity - single exposure

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 Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Acute Tox. 4	H302
Acute Tox. 4	H332
Eye Dam. 1	H318
STOT SE 2	H371
STOT SE 2	H371

Classification procedure:

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

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

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