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

1.1 Product identifier

Trade name	:	gigasept® FF (new)
Unique Formula Identifier (UFI)	:	XN12-708R-P00J-0HMW

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

Use of the Substance/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 Sheffield S9 1AT United Kingdom Telephone: +44 114 254 35 00 Telefax: +44 114 254 35 01 mail.uk@schulke.com
E-mail address of person responsible for the SDS/Contact person	:	Application Specialists +49 (0)40/ 521 00 666 AD@schuelke.com

1.4 Emergency telephone number

Emergency telephone number	:	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 GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

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

Hazard pictograms :

Signal word : Danger

Hazard statements :

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

Precautionary statements :

Prevention:

P260 Do not breathe vapours.
P280 Wear protective gloves/ 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

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

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Reaction product of DMO-THF, ethanol and water	- - - 947-436-6 - - - 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- Dimethoxytetrahydrofurane (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.
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 if swallowed. May cause damage to organs if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Dry powder Foam Water spray jet Carbon dioxide (CO2)
Unsuitable extinguishing media	:	Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	:	No information available.

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	:	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	:	Recommended storage temperature: 5 - 25°C Keep away from heat. Keep away from direct sunlight.
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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

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

Guideline	:	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 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
Flammability	:	Does not sustain combustion.
Upper explosion limit / Upper	:	No data available

flammability limit		
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/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	completely soluble (15 °C)
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	ca. 455 °C Method: Bridging principle "Substantially similar mixtures".
Viscosity		
Viscosity, dynamic	:	ca. 4.5 mPa*s Method: ISO 3219
Viscosity, kinematic	:	not determined
Explosive properties	:	Not explosive Method: Bridging principle "Substantially similar mixtures".
Oxidizing properties	:	Method: Bridging principle "Substantially similar mixtures". The substance or mixture is not classified as oxidizing.

9.2 Other information

Metal corrosion rate	:	Not corrosive to metals

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	None reasonably foreseeable.

10.4 Conditions to avoid

Conditions to avoid	:	Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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
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

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

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:

Species	:	Rabbit
Result	:	Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

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

Respiratory sensitisation

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

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

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

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 prod-

ucts of similar composition.

Components:

Reaction product of DMO-THF, ethanol and water:

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.
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

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

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

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

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:

Reproductive toxicity - Assessment	:	No data available

STOT - single exposure

May cause damage to organs if swallowed.
May cause damage to organs if inhaled.

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

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

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.

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

Remarks	:	No data available

Aspiration toxicity

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

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 aquatic invertebrates	:	Remarks: not determined
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

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 : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f) 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

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 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 (EU) No 2024/590 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 and livestock rearing emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 96.92 %

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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

No Chemical Safety Assessment has been carried out for this mixture.

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

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

Further information

Classification of the mixture:		**Classification procedure:**
Acute Tox. 4	H302	Based on product data or assessment
Acute Tox. 4	H332	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 2	H371	Based on product data or assessment
STOT SE 2	H371	Based on product data or assessment

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.