

## SAFETY DATA SHEET

# Tankclean HCF Eco

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

#### 1.1. Product identifier

##### Trade name

Tankclean HCF Eco

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

##### Relevant identified uses of the substance or mixture

No special

##### Uses advised against

No special

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

##### Company and address

##### **Vecom Marine B.V.**

Mozartlaan 3

3144 NA Maassluis

The Netherlands

+31 (0) 10-5930210

-

<https://vecom-marine.com>

##### Contact person

Vecom Marine B.V.

##### E-mail

[sales@vecom-marine.com](mailto:sales@vecom-marine.com)

##### Revision

16/06/2022

##### SDS Version

1.0

#### 1.4. Emergency telephone number

National Poisons Information Centre (NVIC): +31 (0)88-755-8000 (24 hour service)

Only intended to inform professional emergency services in case of acute poisoning.

See section 4 on first aid measures.

### SECTION 2: Hazards identification

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

Skin Irrit. 2; H315, Causes skin irritation.

#### 2.2. Label elements

##### Hazard pictogram(s)



##### Signal word

Warning

##### Hazard statement(s)

Causes skin irritation. (H315)

##### Safety statement(s)

General

-

##### Prevention

Wear eye protection/protective gloves/protective clothing. (P280)

Wash hands and exposed skin thoroughly after handling. (P264)

Response

-

Storage

-

Disposal

-

Hazardous substances

(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

2.3. Other hazards

Additional labelling

EUH208, Contains (S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene. May produce an allergic reaction.

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve	CAS No.: 111-76-2 EC No.: 203-905-0 REACH: 01-2119475108-36-XXXX Index No.: 603-014-00-0	5-10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
Fatty alcohol, ethoxylated, propoxylated (ROKanol LP100 - Plurafac LF401)	CAS No.: EC No.: REACH: Index No.:	1-3%	Skin Irrit. 2, H315	
Pentapotassium triphosphate (Kaliumtripolyfosfaat (KTPP))	CAS No.: 13845-36-8 EC No.: 237-574-9 REACH: 01-2119485639-19-XXXX Index No.:	1-3%	Met. Corr. 1, H290 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene	CAS No.: 5989-27-5 EC No.: 227-813-5 REACH: 01-2119529223-47-XXXX Index No.: 601-029-00-7	<1%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[9]

-----

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[1] European occupational exposure limit

[9] Identified by EU as one of 26 specific fragrance ingredients, known to cause allergic contact dermatitis (Regulation (EC) No 1223/2009 on cosmetic products)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

No special

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>).

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure

contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Dry, cool and well ventilated

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

—  
2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 246

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 100

Annotations:

H = Special risk of dermal absorption.

Annex XIII of the Working Conditions Regulation, List of legal limit values.

#### DNEL

(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	4.8 mg/kg lg/dag
Long term – Systemic effects - Workers	Dermal	9.5 mg/kg lg/dag
Long term – Systemic effects - General population	Inhalation	16.6 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	66.7 mg/m <sup>3</sup>

Long term – Systemic effects - General population	Oral	4.76 mg/kg lg/dag
2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve		
Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	75 mg/kg/d
Long term – Systemic effects - Workers	Dermal	125 mg/kg/d
Short term – Systemic effects - General population	Dermal	89 mg/kg/d
Short term – Systemic effects - Workers	Dermal	89 mg/kg/d
Long term – Local effects - General population	Inhalation	147 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	246 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Inhalation	59 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	98 mg/m <sup>3</sup>
Short term – Systemic effects - General population	Inhalation	426 mg/m <sup>3</sup>
Short term – Systemic effects - Workers	Inhalation	1091 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	6.3 mg/kg/d
Short term – Systemic effects - General population	Oral	26.7 mg/kg/d

Pentapotassium triphosphate (Kaliumtripolyfosfaat (KTPP))

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Inhalation	1 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1 mg/m <sup>3</sup>

PNEC

(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Route of exposure	Duration of Exposure	PNEC
Freshwater		14 µg/l
Freshwater sediment		3.85 mg/kg dw
Marine water		1.4 µg/l
Marine water sediment		0.385 mg/kg dw
Sewage treatment plant		1.8 mg/l
Soil		0.763 mg/kg dw

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve

Route of exposure	Duration of Exposure	PNEC
Freshwater		8.8 mg/l
Freshwater sediment		34.6 mg/kg TG
Intermittent release		26.4 mg/l

Marine water	0.88 mg/l	
Marine water sediment	3.46 mg/kg TG	
Sewage treatment plant	463 mg/l	
Soil	2.33 mg/kg TG	
<b>Pentapotassium triphosphate (Kaliumtripolyfosfaat (KTPP))</b>		
Route of exposure	Duration of Exposure	PNEC
Freshwater		0.05 mg/l
Intermittent release		0.5 mg/l
Marine water		0.005 mg/l
Sewage treatment plant		50 mg/l

## 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

### Hygiene measures

Take off contaminated clothing and wash it before reuse.

### Measures to avoid environmental exposure

No specific requirements

## Individual protection measures, such as personal protective equipment

### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

No specific requirements

### Skin protection

Recommended	Type/Category	Standards
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	-	-	EN374-2



## Eye protection

Type	Standards
Wear safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Colourless

#### Odour / Odour threshold

Characteristic

#### pH

6,5 tot 8,5

#### Density (g/cm<sup>3</sup>)

1.01 (20 °C)

#### Relative density

1.01 (20 °C)

#### Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

##### Vapour pressure

Testing not relevant or not possible due to nature of the product.

##### Relative vapour density

Testing not relevant or not possible due to nature of the product.

##### Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

#### Data on fire and explosion hazards

##### Flash point (°C)

Testing not relevant or not possible due to nature of the product.

##### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

##### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

##### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

#### Solubility

##### Solubility in water

Testing not relevant or not possible due to nature of the product.

##### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

##### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

## 9.2. Other information

### Other physical and chemical parameters

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

No special

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>300 - 2000 mg/kg
Other information	

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Guinea pig
Route of exposure	Oral
Test	LD50
Result	1400 mg/kg
Other information	

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	Fatty alcohol, ethoxylated, propoxylated (ROKanol LP100 - Plurafac LF401)
Test method	
Species	Rat
Route of exposure	Oral



Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	Pentapotassium triphosphate (Kaliumtripolyfosfaat (KTPP))
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1000 mg/kg
Other information	

Product/substance	(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	5000 mg/kg
Other information	

Product/substance	(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

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

#### Respiratory sensitisation

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

#### Skin sensitisation

This product contains substances that may trigger an allergic reaction to predisposed persons.

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

### 11.2. Information on other hazards

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### Endocrine disrupting properties

No special

### Other information

2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve has been classified by IARC as a group 3 carcinogen.

(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene has been classified by IARC as a group 3 carcinogen.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1464 mg/L
Other information	

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Fish
Compartment	
Duration	21 days
Test	NOEC
Result	>100 mg/L
Other information	

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1550 mg/L
Other information	

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	100 mg/L
Other information	

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
-------------------	---

Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EbC50
Result	911 mg/L
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Bacteria
Compartment	
Duration	16 hours
Test	EC 3
Result	>700 mg/L
Other information	
Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Species	Bacteria
Compartment	
Duration	48 hours
Test	EC 5
Result	463 mg/L
Other information	
Product/substance	Fatty alcohol, ethoxylated, propoxylated (ROKanol LP100 - Plurafac LF401)
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	IC10
Result	>1 mg/L
Other information	
Product/substance	Pentapotassium triphosphate (Kaliumtripolyfosfaat (KTPP))
Test method	
Species	Fish
Compartment	
Duration	48 hours
Test	LC0
Result	>800 mg/L
Other information	
Product/substance	(S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	0.72 mg/L

Other information

Product/substance (S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Test method

Species Algae

Compartment

Duration 72 hours

Test EC10

Result 0.174 mg/L

Other information

Product/substance (S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Test method

Species Algae

Compartment

Duration 72 hours

Test EC50

Result 0.32 mg/L

Other information

Product/substance (S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Test method

Species Daphnia

Compartment

Duration 48 hours

Test EC50

Result 0.42 mg/L

Other information

Product/substance (S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Test method

Species Fish

Compartment

Duration 3 hours

Test NOEC

Result 0.059 mg/L

Other information

Product/substance (S)-p-mentha-1,8-diene;trans-1-methyl-4-(1-methylvinyl)cyclohexene;(±)-1-methyl-4-(1-methylvinyl)cyclohexene;dipentene;(R)-p-mentha-1,8-diene;d-limonene;l-limonene;limonene

Test method

Species Daphnia

Compartment

Duration 21 days

Test NOEC

Result 0.08 mg/L

Other information

## 12.2. Persistence and degradability

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Biodegradable	Yes
Test method	OECD 301 B
Result	90.4% in 28 d

Product/substance	Fatty alcohol, ethoxylated, propoxylated (ROKanol LP100 - Plurafac LF401)
Biodegradable	Yes
Test method	OECD 301 B
Result	>60%; 28d

### 12.3. Bioaccumulative potential

Product/substance	2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve
Test method	
Potential bioaccumulation	No data available
LogPow	0.81
BCF	No data available
Other information	

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

No special

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

Not applicable

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable

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

No data available

## SECTION 15: Regulatory information

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

#### Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### Demands for specific education

No specific requirements

#### SEVESO - Categories / dangerous substances

Not applicable

#### Additional information

Not applicable

#### Sources

Working Conditions Act 1998 and latest Working Conditions Decree of 01-01-2021.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H226, Flammable liquid and vapour.

H290, May be corrosive to metals.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways.

H312, Harmful in contact with skin.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

#### The safety data sheet is validated by

RPK

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: NL-en