SAFETY DATA SHEET

TCS SPEEDY

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

1.1. Product identifier

Trade name

TCS SPEEDY

Product no.

1119

Unique formula identifier (UFI)

EY40-P0XR-V00G-YTH8

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

Relevant identified uses of the substance or mixture

Cleaning product

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Trion Tensid AB
Svederusgatan 1-3
SE-75450 Uppsala
Sweden
+46 18 15 61 90
www.trion.se

Contact person

Magnus Åkerström

E-mail

info@trion.se

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10-01-2022

SDS Version

3.0

Date of previous version

2021-12-08 (2.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

Not applicable

Hazard statement(s)

Not applicable

Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

No special

2.3. Other hazards

Additional labelling

EUH210, Safety data sheet available on request.

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
1-butylpyrrolidin-2-one	CAS No.: 3470-98-2 EC No.: 222-437-8 REACH: 01-2120062728-48-XXXX Index No.:	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-44 Index No.: 603-096-00-8	<1%	Eye Irrit. 2, H319	[1], [3]
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 REACH: 01-2119475108-36 Index No.: 603-014-00-0	<1%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332 Eye Irrit. 2, H319	[1]

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

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

Labelling of contents according to Detergents Regulation (EC) No 648/2004

< 5%

· Anionic surfactants
· Soap
· Perfumes

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

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

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

No special

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

Not applicable

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:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2).

5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
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

4 - 25 Celcius

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-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Long term exposure limit (8 hours) (ppm): 10
Long term exposure limit (8 hours) (mg/m³): 67,5
Short term exposure limit (15 minutes) (ppm): 15
Short term exposure limit (15 minutes) (mg/m³): 101,2

—
2-butoxyethanol
Long term exposure limit (8 hours) (ppm): 25
Long term exposure limit (8 hours) (mg/m³): 123
Short term exposure limit (15 minutes) (ppm): 50
Short term exposure limit (15 minutes) (mg/m³): 246
Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼DNEL

Product/substance	1-butylpyrrolidin-2-one
DNEL	2,5 mg/kg bw/day

Route of exposure	Oral
Duration	Short term – Systemic effects - General population
Product/substance	1-butylpyrrolidin-2-one
DNEL	2,5 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	1-butylpyrrolidin-2-one
DNEL	5 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	1-butylpyrrolidin-2-one
DNEL	17,4 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	1-butylpyrrolidin-2-one
DNEL	10 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	1-butylpyrrolidin-2-one
DNEL	70,5 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
DNEL	67,5 mg/kbm 10 ppm
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
DNEL	101,2 mg/kbm
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
DNEL	20 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
DNEL	67,5 mg/kbm 10 ppm
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	hexyl D-glucoside
DNEL	357000 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	hexyl D-glucoside
DNEL	124 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	hexyl D-glucoside
DNEL	35,7 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	hexyl D-glucoside
DNEL	420 mg/m3
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	hexyl D-glucoside
DNEL	595000 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	6,3 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	89 mg/kg bw/day
Route of exposure	Dermal
Duration	Short term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	1091 mg/kbm

Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	246 mg/kbm
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers
Product/substance	2-butoxyethanol
DNEL	125 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	98 mg/kg bw/day
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	89 mg/kg bw/day
Route of exposure	
Duration	Short term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	26,7 mg/kg bw/day
Route of exposure	Oral
Duration	Short term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	147 mg/kbm
Route of exposure	Inhalation
Duration	Short term – Local effects - General population
Product/substance	2-butoxyethanol
DNEL	75 mg/kg bw/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	59 mg/kbm
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	2-butoxyethanol
DNEL	426 mg/kbm
Route of exposure	Inhalation
Duration	Short term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	98 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	1091 mg/m³
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	59 mg/m³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	426 mg/m³
Route of exposure	Inhalation
Duration	Short term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	147 mg/m³
Route of exposure	Inhalation
Duration	Short term – Local effects - General population
Product/substance	2-butoxyethanol
DNEL	6.3 mg/kg/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	26.7 mg/kg/day
Route of exposure	Oral
Duration	Short term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	246 mg/m³

Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

▼PNEC

Product/substance	1-butylpyrrolidin-2-one
PNEC	0,7955 mg/kg
Route of exposure	Soil
Duration of Exposure	Single
Product/substance	1-butylpyrrolidin-2-one
PNEC	06336 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	Single
Product/substance	1-butylpyrrolidin-2-one
PNEC	30,62 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	Continuous
Product/substance	1-butylpyrrolidin-2-one
PNEC	1 mg/L
Route of exposure	Water
Duration of Exposure	Single
Product/substance	1-butylpyrrolidin-2-one
PNEC	0,08 mg/L
Route of exposure	Marine water
Duration of Exposure	Single
Product/substance	1-butylpyrrolidin-2-one
PNEC	0,8 mg/L
Route of exposure	Freshwater
Duration of Exposure	Single
Product/substance	1-butylpyrrolidin-2-one
PNEC	6,336 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	Single
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
PNEC	0,1 mg/L

Route of exposure	Marine water
Duration of Exposure	Single
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
PNEC	4,4 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	Single
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
PNEC	0,44 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	Single
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
PNEC	0,32 mg/kg
Route of exposure	Soil
Duration of Exposure	Single
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
PNEC	200 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	Single
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
PNEC	1 mg/L
Route of exposure	Freshwater
Duration of Exposure	Single
Product/substance	hexyl D-glucoside
PNEC	0,176 mg/L
Route of exposure	Freshwater
Duration of Exposure	Single
Product/substance	hexyl D-glucoside
PNEC	0,018 mg/L
Route of exposure	Marine water
Duration of Exposure	Single
Product/substance	hexyl D-glucoside
PNEC	100 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	Single

Product/substance	hexyl D-glucoside
PNEC	0,722 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	Single
Product/substance	hexyl D-glucoside
PNEC	0,072 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	Single
Product/substance	hexyl D-glucoside
PNEC	0,654 mg/kg
Route of exposure	Soil
Duration of Exposure	Single
Product/substance	2-butoxyethanol
PNEC	0,88 mg/L
Route of exposure	Marine water
Duration of Exposure	Single
Product/substance	2-butoxyethanol
PNEC	8,8 mg/L
Route of exposure	Freshwater
Duration of Exposure	Single
Product/substance	2-butoxyethanol
PNEC	9,1 mg/L
Route of exposure	Water
Duration of Exposure	Continuous
Product/substance	2-butoxyethanol
PNEC	463 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	Single
Product/substance	2-butoxyethanol
PNEC	8.8 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	3,46 mg/kg

Route of exposure	Marine water sediment
Duration of Exposure	Single
Product/substance	2-butoxyethanol
PNEC	34,6 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	Single
Product/substance	2-butoxyethanol
PNEC	26.4 mg/L
Route of exposure	Intermittent release (freshwater)
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	880 µg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	463 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	3.46 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	2.33 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	20 mg/kg
Route of exposure	Predators
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	34.6 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	2-butoxyethanol
PNEC	2,33 mg/kg
Route of exposure	Soil
Duration of Exposure	Single

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

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

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

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation	-	-	-

Skin protection

Recommended	Type/Category	Standards
No special when used as intended.	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Cotton/Latex	-	-	EN388, EN407

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
Pleasant

pH
11

Density (g/cm³)
1.00

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)
100-105 °C

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)
67.00 °C

Ignition (°C)
Not applicable - based on structure

Auto flammability (°C)
Not applicable - based on structure

Lower and upper explosion limit (% v/v)
Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water
Soluble

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	1-butylpyrrolidin-2-one
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg ·
Other information	
Product/substance	1-butylpyrrolidin-2-one
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	300-2000 mg/kg ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50

Result	>29 ppm (2h) ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2410 mg/kg ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2764 mg/kg ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Rabbit
Route of exposure	Dermal

Test	LD50
Result	220 mg/kg ·
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	2270 mg/kg ·
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	2,2 mg/l (4 h) ·
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2000 mg/kg ·
Other information	
Product/substance	Alcohols, C9-C11, Ethoxylated
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Rat

Route of exposure	Dermal
Test	LD50
Result	>2000-5000 mg/kg ·
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>20 mg/L ·
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000-5000 mg/kg ·
Other information	

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

Product/substance	hexyl D-glucoside
Test method	
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

Skin sensitisation

Product/substance	Alcohols, C9-C11, Ethoxylated
Test method	OECD 406
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

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

No special

Endocrine disrupting properties

No special

Other information

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

▼12.1. Toxicity

Product/substance	1-butylpyrrolidin-2-one
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L ·
Other information	
Product/substance	1-butylpyrrolidin-2-one
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	130 mg/L ·
Other information	
Product/substance	1-butylpyrrolidin-2-one
Test method	
Species	Daphnia

Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	EC50
Result	>100 mg/l ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1300 mg/l ·
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Species	Daphnia
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/l ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Daphnia
Compartment	
Duration	21 days

Test	NOEC
Result	>1-10 mg/L
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	>100 mg/L
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L ·

Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1550 mg/l ·
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	1840 mg/l ·
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1474 mg/l ·
Other information	
Product/substance	Alcohols, C9-C11, Ethoxylated
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>1 mg/L
Other information	
Product/substance	Alcohols, C9-C11, Ethoxylated

Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>1 mg/L
Other information	
Product/substance	Alcohols, C9-C11, Ethoxylated
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>1 mg/L
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>10-100 mg/L
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>10-100 mg/L
Other information	

▼12.2. Persistence and degradability

Product/substance	1-butylpyrrolidin-2-one

Biodegradable	Yes
Test method	
Result	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Biodegradable	Yes
Test method	OECD 301 B
Result	100%
Product/substance	hexyl D-glucoside
Biodegradable	Yes
Test method	OECD 301 D
Result	>70%
Product/substance	2-butoxyethanol
Biodegradable	Yes
Test method	OECD 301 B
Result	90%
Product/substance	Alcohols, C9-C11, Ethoxylated
Biodegradable	Yes
Test method	OECD 301 D
Result	
Product/substance	2-propylheptanoletoxilat
Biodegradable	Yes
Test method	OECD 301 D
Result	>60%

▼12.3. Bioaccumulative potential

Product/substance	1-butylpyrrolidin-2-one
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	
Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Test method	
Potential bioaccumulation	No

LogPow	1,0000
BCF	No data available
Other information	
Product/substance	hexyl D-glucoside
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	
Product/substance	2-butoxyethanol
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	
Product/substance	Alcohols, C9-C11, Ethoxylated
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	
Product/substance	2-propylheptanoletoxilat
Test method	
Potential bioaccumulation	No
LogPow	No data available
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

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

20 01 29* Detergents containing dangerous substances

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. - 14.4.

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

Not applicable

IMDG

Not applicable

MARINE POLLUTANT

No

IATA

Not applicable

14.5. Environmental hazards

Not applicable

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.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

Not applicable

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.
CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.
EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

15.2. Chemical safety assessment

No

SECTION 16: Other information

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

H302, Harmful if swallowed.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.

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
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable

▼The safety data sheet is validated by

MÅ

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: GB-en