

TANEX PERFORMA

WM 1213672

Order number: 0713672

Version 13.3

Revision Date 19.09.2026

Print Date 22.09.2026

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

1.1 Product identifier

Trade name : TANEX PERFORMA
UFI : YKA6-D09K-8007-V4UJ

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

Use of the Substance/Mixture : Cleaning agent
Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642526
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone

EU: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : P102 Keep out of reach of children.

Prevention:

P260

Do not breathe spray.

P280

Wear eye protection/ face protection.

Response:

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

P337 + P313 If eye irritation persists: Get medical advice/

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Disposal:
P501

attention.

Dispose of container into the collection of
recyclables only when it is completely empty.

Safety data sheet available on request.

Classification in use concentration

Not a hazardous substance or mixture according to Regulation (EC) No 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.

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

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

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-(2-butoxyethoxy)ethanol	112-34-5 203-961-6 603-096-00-8 01-2119475104-44	Eye Irrit. 2; H319	>= 5 - < 10
1-phenoxypropan-2-ol	770-35-4 212-222-7 01-2119486566-23	Eye Irrit. 2; H319	>= 5 - < 10
2,2'-methyliminodiethanol	105-59-9 203-312-7 603-079-00-5 01-2119488970-24	Eye Irrit. 2; H319	>= 3 - < 5
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1 500-220-1 01-2119488530-36	Eye Dam. 1; H318 specific concentration limit Eye Dam. 1; H318 > 10 % Eye Irrit. 2; H319 10 %	>= 1 - < 3
sodium octyl sulphate	142-31-4 205-535-5		>= 1 - < 3

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SECTION 4: First aid measures

4.1 Description of first-aid measures

- | | | |
|-------------------------|---|--|
| General advice | : | Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance. |
| If inhaled | : | Move to fresh air.
If symptoms persist, call a physician. |
| In case of skin contact | : | Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician. |
| In case of eye contact | : | Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist. |
| If swallowed | : | Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|---|
| Symptoms | : | Irritation |
| Risks | : | No information available.

Causes serious eye irritation. |

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|------------------------------|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|------------------------------|---|---|

5.2 Special hazards arising from the substance or mixture

- | | | |
|---------------------------------------|---|---|
| Specific hazards during fire fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : | No hazardous combustion products are known |

5.3 Advice for firefighters

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

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fire-fighters

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Neutralize with acid.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations", Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning agent

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-(2-butoxyethoxy)ethanol	Not Assigned	TWA	10 ppm 67,5 mg/m ³	2006/15/EC
	Further information: Indicative			
		STEL	15 ppm 101,2 mg/m ³	2006/15/EC
	Further information: Indicative			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value
2-(2-butoxyethoxy)ethanol	Workers	Inhalation	Long-term local effects	67,5 mg/m ³
	Workers	Inhalation	Acute local effects	101,2 mg/m ³
	Workers	Dermal	Long-term systemic effects	83 mg/kg
	Consumers	Inhalation	Long-term systemic effects	40,5 mg/m ³
	Consumers	Inhalation	Long-term local effects	40,5 mg/m ³
	Consumers	Inhalation	Acute local effects	60,7 mg/m ³
	Consumers	Dermal	Long-term systemic effects	50 mg/kg
	Consumers	Ingestion	Long-term systemic effects	5 mg/kg
	Consumers	Oral	Long-term systemic effects	6,25 mg/kg bw/day
1-phenoxypropan-2-ol	Workers	Skin contact	Long-term systemic	42 mg/kg

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			effects	bw/day
	Workers	Inhalation	Long-term systemic effects	25,7 mg/m3
	Consumers	Skin contact	Long-term systemic effects	21 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	3,65 mg/kg bw/day
	Consumers	Inhalation	Long-term exposure, Systemic effects	12,7 mg/m3
2,2'-methyliminodiethanol	Workers	Inhalation	Long-term systemic effects	7,9 mg/m3
	Workers	Dermal	Long-term systemic effects	5,6 mg/kg
	Consumers	Inhalation	Long-term systemic effects	0,4 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,67 mg/kg
	Consumers	Oral	Long-term systemic effects	0,13 mg/kg
D-Glucopyranose, oligomers, decyl octyl glycosides	Workers	Skin contact	Long-term systemic effects	595000 mg/kg
	Workers	Inhalation	Long-term systemic effects	420 mg/m3
	Consumers	Skin contact	Long-term systemic effects	357000 mg/kg
	Consumers	Inhalation	Long-term systemic effects	124 mg/m3
	Consumers	Ingestion	Long-term systemic effects	35,7 mg/kg
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	Workers	Inhalation	Acute systemic effects	55 mg/m3
	Workers	Inhalation	Acute local effects	55 mg/m3
	Workers	Skin contact	Long-term systemic effects	15000 mg/kg

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	Workers	Inhalation	Long-term systemic effects	7,3 mg/m3
	Consumers	Skin contact	Long-term systemic effects	7500 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1,8 mg/m3
	Consumers	Ingestion	Long-term systemic effects	1,5 mg/kg
sodium octyl sulphate	Workers	Skin contact	Long-term systemic effects	4060 mg/kg
	Workers	Inhalation	Long-term systemic effects	285 mg/m3
	Consumers	Skin contact	Long-term systemic effects	2440 mg/kg
	Consumers	Inhalation	Long-term systemic effects	85 mg/m3
	Consumers	Ingestion	Long-term systemic effects	24 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
2-(2-butoxyethoxy)ethanol	Fresh water	1,1 mg/l
	Sea water	0,11 mg/l
	Fresh water sediment	4,4 mg/kg
	Sea sediment	0,44 mg/kg
	Soil	0,32 mg/kg
	STP	200 mg/l
	intermittent release	11 mg/l
1-phenoxypropan-2-ol	Fresh water	0,1 mg/l
	Sea water	0,01 mg/l
	Fresh water sediment	0,38 mg/kg
	Sea sediment	0,038 mg/kg
	Soil	0,02 mg/kg

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	STP	10 mg/l
	intermittent release	1 mg/l
2,2'-methyliminodiethanol	Fresh water	1 mg/l
	Sea water	0,0045 mg/l
	Fresh water	0,278 mg/l
	Sea water	0,0278 mg/l
	Intermittent use/release	1 mg/l
	Fresh water sediment	2,17 mg/kg
	Sea sediment	0,217 mg/kg
	Soil	0,27 mg/kg
	STP	10 mg/l
D-Glucopyranose, oligomers, decyl octyl glycosides	Fresh water	0,176 mg/l
	Sea water	0,0176 mg/l
	intermittent release	0,27 mg/l
	STP	560 mg/l
	Fresh water sediment	1,516 mg/kg
	Sea sediment	0,152 mg/kg
	Soil	0,654 mg/kg
	Oral (Secondary Poisoning)	111,11 mg/kg
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	Fresh water	> 2 mg/l
	Sea water	> 0,2 mg/l
	intermittent release	> 1 mg/l
	STP	> 41,2 mg/l
	Oral	67 mg/kg
sodium octyl sulphate	Fresh water	0,1357 mg/l
	Sea water	0,01357 mg/l
	STP	1,35 mg/l

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	Fresh water sediment	1,5 mg/kg
	Sea sediment	0,15 mg/kg
	Soil	0,22 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye/face protection : If splashes are likely to occur, wear:

Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.

It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

ABEK-P3-filter

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

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Color	: blue
Odor	: odorized
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: Not applicable
Ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: ca. 10,1, 100 % at 20 °C
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Vapor pressure	: No data available
Density	: ca. 1,030 g/cm ³ at 20 °C
Relative density	: No data available
Relative vapor density	: No data available
Particle characteristics	: No data available

9.2 Other information

Refractive index	: 1,361
Evaporation rate	: No data available
Burning rate	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

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10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.
No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Our company is strongly against animal testing.
Our company does not place any orders for animal testing for the finished product or the ingredients.
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Not classified due to lack of data.

Acute toxicity : Not Rated

Components:

2-(2-butoxyethoxy)ethanol

112-34-5:

Acute oral toxicity : LD50 Oral (Rat, male): 2.410 mg/kg
Method: OECD Test Guideline 401

LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 29 ppm
Exposure time: 2 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit, male): 2.764 mg/kg
Method: OECD Test Guideline 402

LD50 (Rabbit): > 2.000 mg/kg

1-phenoxypropan-2-ol

770-35-4:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 5,4 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

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Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

2,2'-methyliminodiethanol

105-59-9:

Acute oral toxicity : LD50 (Rat): 4.680 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

LD50 (Rabbit): 5.990 mg/kg

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

sodium octyl sulphate

142-31-4:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Not classified due to lack of data.

Product:

Remarks : May cause skin irritation in susceptible persons.

Components:

2,2'-methyliminodiethanol

105-59-9:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Mild skin irritation

sodium octyl sulphate

142-31-4:

Result : Skin irritation

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Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : Vapors may cause irritation to the eyes, respiratory system and the skin.
Causes serious eye irritation.

Components:

2-(2-butoxyethoxy)ethanol

112-34-5:

Result : Moderate eye irritation

1-phenoxypropan-2-ol

770-35-4:

Result : Eye irritation

2,2'-methyliminodiethanol

105-59-9:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Irritating to eyes.

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

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

sodium octyl sulphate

142-31-4:

Result : Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Product:

Remarks : No data available

Components:

2,2'-methyliminodiethanol

105-59-9:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

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D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitization.

Germ cell mutagenicity

Not classified due to lack of data.

Germ cell mutagenicity : Not Rated

Components:

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Genotoxicity in vitro : Test Type: Ames test
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified due to lack of data.

Carcinogenicity : Not Rated

Reproductive toxicity

Not classified due to lack of data.

Reproductive toxicity : Not Rated

STOT-single exposure

Not classified due to lack of data.

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

STOT-repeated exposure

Not classified due to lack of data.

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

Repeated dose toxicity

Components:

sodium octyl sulphate

142-31-4:

Species : Rat
NOAEL : 488 mg/kg
Application Route : Oral
Method : OECD Test Guideline 408

Species : Rat
LOAEL : 1016 mg/kg

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Application Route	:	Oral
Method	:	OECD Test Guideline 408
Species	:	Mouse
NOAEL	:	400 mg/kg
Application Route	:	Dermal
Method	:	OECD Test Guideline 411

Aspiration toxicity

Not classified due to lack of data.

Aspiration toxicity : Not Rated

11.2 Information on other hazards

Endocrine disrupting properties

Product:

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

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

2-(2-butoxyethoxy)ethanol

112-34-5:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.300 mg/l
Exposure time: 96 h

LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.850 mg/l
Exposure time: 24 h
Method: DIN 38412

EC50 (Daphnia magna Straus (Water flea)): > 1.101 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC10 (Bacteria): 1.170 mg/l
Exposure time: 16 h

EC10 (activated sludge): > 1.995 mg/l
Exposure time: 30 min

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Test Type: Respiration inhibition
Method: OECD Test Guideline 209

EC50 (activated sludge): > 1.995 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition

1-phenoxypropan-2-ol

770-35-4:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 220 - 460 mg/l
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 280 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 370 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Test Type: static test

EC50 (Desmodesmus subspicatus (green algae)): 74,5 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC50 (Bacteria): > 1.000 mg/l
Exposure time: 17 h

2,2'-methyliminodiethanol

105-59-9:

Toxicity to fish : (Leuciscus idus (Golden orfe)): 1.466 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 233 mg/l
Exposure time: 48 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 6,25 mg/l
Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC20 (activated sludge): > 1.000 mg/l
Exposure time: 0,5 h
Method: OECD Test Guideline 209

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 100,81 mg/l
Exposure time: 96 h

NOEC (Brachydanio rerio (zebrafish)): 1,8 mg/l

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 1,0 mg/l

Toxicity to algae/aquatic plants : EC50 (Scenedesmus subspicatus): 27,22 mg/l
Exposure time: 72 h

sodium octyl sulphate

142-31-4:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 : > 100 mg/l

EC50 (Desmodesmus subspicatus (green algae)): > 511 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC0 : > 100 mg/l

Toxicity to fish (Chronic toxicity) : Lowest Observed Effect Concentration: > 1,357 mg/l
Exposure time: 42 d
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,4 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Components:

2-(2-butoxyethoxy)ethanol

112-34-5:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 76 %
Exposure time: 28 d
Method: OECD 301 D

Result: rapidly biodegradable
Biodegradation: 90 - 100 %
Exposure time: 8 d
Method: OECD 302 B

Result: rapidly biodegradable
Biodegradation: 90 - 100 %
Exposure time: 14 d

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Method: OECD 301 E

Result: rapidly biodegradable
Biodegradation: ca. 85 %
Exposure time: 28 d
Method: OECD 301 C

1-phenoxypropan-2-ol

770-35-4:

Biodegradability : Biodegradation: 72 %
Exposure time: 28 d
Method: OECD 301 F

2,2'-methyliminodiethanol

105-59-9:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 96 %
Exposure time: 18 d
Method: OECD 301 A

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 100 %
Exposure time: 28 d
Method: OECD 301 E

sodium octyl sulphate

142-31-4:

Biodegradability : Biodegradation: 98,2 %
Remarks: Expected to be biodegradable

12.3 Bioaccumulative potential

Components:

2-(2-butoxyethoxy)ethanol

112-34-5:

Bioaccumulation : Bioconcentration factor (BCF): 2

Partition coefficient: n-octanol/water : log Pow: 0,56

1-phenoxypropan-2-ol

770-35-4:

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

12.4 Mobility in soil

Components:

2-(2-butoxyethoxy)ethanol

112-34-5:

Distribution among environmental compartments : Koc: ca. 50
Remarks: Highly mobile in soils

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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 Endocrine disrupting properties

Product:

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

12.7 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
In accordance with local and national regulations.

Contaminated packaging : Only give completely emptied packaging to special waste disposer.

Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Waste Code : European Waste Catalog
20 01 29*
According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 UN proper shipping name

Not regulated as a dangerous good

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14.3 Transport hazard class(es)

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not regulated as a dangerous good

IATA

Not dangerous goods

14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : 112-34-5

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : 112-34-5
105-59-9
77-92-9
78-70-6
5392-40-5
See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU : Not applicable
of the European Parliament and of
the Council on the control of
major-accident hazards involving
dangerous substances.

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TA Luft List (Germany)	: Total dust: Not applicable : Inorganic substances in powdered form: Not applicable : Inorganic substances in gaseous form: Not applicable : Carcinogenic substance: Not applicable : Quartz fine dust PM4: Not applicable : Formaldehyde: Not applicable : fibers: Not applicable : Germ cell mutagens: Not applicable : Substances toxic to reproduction: Not applicable : Poorly degradable, easily enrichable and highly toxic organic substances: Not applicable : Organic Substances: : portionClass 1: 0,15 %
Volatile organic compounds (VOC) content	: Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Update: Percent volatile: 0,01 %
according to Detergents Regulation EC 648/2004	: <5% anionic surfactants, non-ionic surfactants, perfumes

15.2 Chemical Safety Assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.

Full text of other abbreviations

Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
2006/15/EC	: Europe. Indicative occupational exposure limit values
2006/15/EC / TWA	: Limit Value - eight hours
2006/15/EC / STEL	: Short term exposure limit

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 Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International

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according to Regulation (EC) No. 1907/2006, as amended



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Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Eye Irrit. 2

H319

Classification procedure:

Calculation method

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.

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