

SAFETY DATA SHEET

Turbo Ex

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

1.1. Product identifier

Trade name

Turbo Ex

Product no.

161

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

Relevant identified uses of the substance or mixture

Cleaning and degreasing in the industry

Use descriptors (REACH)

Sectors of use	Description
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC35	Washing and Cleaning Products (including solvent based products)
Process category	Description
PROC10	Roller application or brushing
Environmental release category	Description
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Pureno A/S

Rønnevangs Allé 8

3400 Hillerød

Denmark

7026 0267

▼ Contact person

Nazanin Beizaei

▼ E-mail

nb@iduna.dk

Revision

19/07/2022

SDS Version

4.0

Date of previous version

30/05/2022 (3.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Safety statement(s)

General

-

Prevention

Do not breathe vapour/mist. (P260)

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

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

Storage

-

Disposal

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

Hazardous substances

Alcohols, C9-11, ethoxylated

disodium metasilicate

Quaternary coco alkyl methyl amine ethoxylate methyl chloride

potassium hydroxide caustic potash

2.3. Other hazards

Additional labelling

Not applicable

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
Alcohols, C9-11, ethoxylated	CAS No.: 68439-46-3 EC No.: 614-482-0 UK-REACH: Index No.:	1-3%	Eye Dam. 1, H318	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

disodium metasilicate	CAS No.: 10213-79-3 EC No.: 600-279-4 UK-REACH: Index No.:	1-3%	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335	
Alanine, N,N-(bis)carboxymet trisodium salt	CAS No.: 164462-16-2 EC No.: 423-270-5 UK-REACH: Index No.:	1-3%	Met. Corr. 1, H290	
Quaternary coco alkyl methyl amine ethoxylate methyl chloride	CAS No.: 863679-20-3 EC No.: 627-129-0 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	
potassium hydroxide caustic potash	CAS No.: 1310-58-3 EC No.: 215-181-3 UK-REACH: Index No.: 019-002-00-8	1-3%	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Corr. 1A, H314 Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	
Diphenyl ether	CAS No.: 101-84-8 EC No.: 202-981-2 UK-REACH: Index No.:	<0.01%	Skin Irrit. 2, H315 Aquatic Chronic 2, H411	[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

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

5% - 15%

· Perfumes

< 5%

· Amphoteric surfactants

· Cationic surfactants

· Non-ionic surfactants

· Essential oil

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

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

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).

Some metal oxides.

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Avoid direct contact with the product.
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

No specific requirements

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

- potassium hydroxide caustic potash
Short term exposure limit (15 minutes) (mg/m³): 2
- glycerol
Long term exposure limit (8 hours) (mg/m³): 10
- Diphenyl ether
Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 7
Short term exposure limit (15 minutes) (ppm): 2
Short term exposure limit (15 minutes) (mg/m³): 14

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

disodium metasilicate

Duration	Route of exposure	DNEL
Long term - Systemic effects - Workers	Dermal	1,49 mg/kg
Long term - Systemic effects - Workers	Inhalation	6,22 mg/m ³

glycerol

Duration	Route of exposure	DNEL
Long term - Local effects	Inhalation	56 mg/m ³

potassium hydroxide caustic potash

Duration	Route of exposure	DNEL
Long term - Local effects - Workers	Inhalation	1 mg/m ³

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

PNEC

disodium metasilicate

Route of exposure	Duration of Exposure	PNEC
Freshwater		7,5 mg/l
Intermittent release		7,5 mg/l
Marine water		1 mg/l
Sewage treatment plant		1000 mg/l

glycerol

Route of exposure	Duration of Exposure	PNEC
Freshwater		0,885 mg/l
Freshwater sediment		3,3 mg/kg
Marine water		0,0885 mg/l
Marine water sediment		0,33 mg/l
Sewage treatment plant		1000 mg/l
Soil	Continuous	0,141 mg/kg/dw
Water		8,85 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

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

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Wash contaminated clothing before reuse.

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
No special when used as intended.			

Skin protection

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Recommended	Type/Category	Standards
Dedicated work clothing should be worn.	-	-



Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0.4	> 480	EN374-2, EN374-3, EN388



Eye protection

Type	Standards
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

Blue

Odour / Odour threshold

Characteristic

pH

13,1 +/-1

pH in solution

10,7 (2%)

Density (g/cm³)

1.05 (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

Completely 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	Alcohols, C9-11, ethoxylated
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>5000 mg/kg ·
Other information	

Product/substance	Alcohols, C9-11, ethoxylated
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg ·
Other information	

Product/substance	Alcohols, C9-11, ethoxylated
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method
Species Rat
Route of exposure Dermal
Test LD50
Result ">2000 mg/kg
Other information

Product/substance disodium metasilicate
Test method
Species Rat
Route of exposure Oral
Test LD50
Result 1152 mg/kg ·
Other information

Product/substance disodium metasilicate
Test method
Species Rat
Route of exposure Inhalation
Test LC50
Result 2,06 mg/m³ ·
Other information

Product/substance disodium metasilicate
Test method
Species Rat
Route of exposure Dermal
Test LD50
Result 5000 mg/kg ·
Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
Test method
Species Rat
Route of exposure Dermal
Test LD50
Result >4000 mg/kg ·
Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
Test method
Species Rat
Route of exposure Oral
Test LD50
Result >4000 mg/kg ·
Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
Test method
Species Rat
Route of exposure Inhalation
Test LC50
Result 5 mg/l ·

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information

Product/substance Quaternary coco alkyl methyl amine ethoxylate methyl chloride
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result >300-2000 mg/kg ·
 Other information

Product/substance potassium hydroxide caustic potash
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result 333 mg/kg ·
 Other information

Product/substance glycerol
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result 18300 mg/kgbw
 Other information

Product/substance glycerol
 Test method
 Species Guinea pig
 Route of exposure Dermal
 Test
 Result 45 mg/L
 Other information

Skin corrosion/irritation

Product/substance disodium metasilicate
 Test method OECD 404
 Species
 Duration No data available.
 Result Adverse effect observed (Corrosive)
 Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
 Test method OECD 404
 Species
 Duration No data available.
 Result No adverse effect observed (Not irritating)
 Other information

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Skin sensitisation

Product/substance	Alanine, N,N-(bis)carboxymet trisodium salt
Test method	OECD 406
Species	
Result	No adverse effect observed (not sensitising)
Other information	

Germ cell mutagenicity

Product/substance	Alanine, N,N-(bis)carboxymet trisodium salt
Test method	OECD 471
Species	
Conclusion	No adverse effect observed
Other information	

Carcinogenicity

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

Reproductive toxicity

Product/substance	Alanine, N,N-(bis)carboxymet trisodium salt
Test method	
Species	
Duration	
Test	OECD 421
Result	No adverse effects (fertility)
Conclusion	No adverse effect observed
Other information	

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

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	Alcohols, C9-11, ethoxylated
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result 1-10 mg/l ·
Other information

Product/substance Alcohols, C9-11, ethoxylated
Test method
Species Daphnia
Compartment
Duration 48 hours
Test EC50
Result 1-10 mg/L
Other information

Product/substance Alcohols, C9-11, ethoxylated
Test method
Species Algae
Compartment
Duration 72 hours
Test EC50
Result 1-10 mg/L
Other information

Product/substance disodium metasilicate
Test method
Species Fish
Compartment
Duration 96 hours
Test LC50
Result 210 mg/l ·
Other information

Product/substance disodium metasilicate
Test method
Species Daphnia
Compartment
Duration 96 hours
Test EC50
Result 1700 mg/l ·
Other information

Product/substance disodium metasilicate
Test method
Species Algae
Compartment
Duration 72 hours
Test EC50
Result 207 mg/l ·
Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
Test method
Species Fish
Compartment
Duration 96 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test LC50
Result >200 mg/l ·
Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
Test method
Species Daphnia
Compartment
Duration 48 hours
Test EC50
Result >200 mg/l ·
Other information

Product/substance Alanine, N,N-(bis)carboxymet trisodium salt
Test method
Species Fish
Compartment
Duration 28 days
Test NOEC
Result >200 mg/l ·
Other information

Product/substance Quaternary coco alkyl methyl amine ethoxylate methyl chloride
Test method
Species Fish
Compartment
Duration 96 hours
Test LC50
Result 10-100 mg/l ·
Other information

Product/substance Quaternary coco alkyl methyl amine ethoxylate methyl chloride
Test method
Species Daphnia
Compartment
Duration 48 hours
Test EC50
Result 1-10 mg/l ·
Other information

Product/substance Quaternary coco alkyl methyl amine ethoxylate methyl chloride
Test method
Species Algae
Compartment
Duration 72 hours
Test EC50
Result 1-10 mg/l ·
Other information

Product/substance potassium hydroxide caustic potash
Test method
Species Fish
Compartment

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration	96 hours
Test	LC50
Result	80 mg/l ·
Other information	

Product/substance	potassium hydroxide caustic potash
Test method	
Species	Fish
Compartment	
Duration	24 hours
Test	LC50
Result	165 mg/l ·
Other information	

Product/substance	glycerol
Test method	
Species	Daphnia
Compartment	
Duration	No data available.
Test	LC50
Result	>10.000 mg/l ·
Other information	

Product/substance	glycerol
Test method	
Species	Fish
Compartment	
Duration	No data available.
Test	LC50
Result	>10.000 mg/l ·
Other information	

12.2. Persistence and degradability

Product/substance	Alcohols, C9-11, ethoxylated
Biodegradable	Yes
Test method	OECD 301 D
Result	>60% BOD

Product/substance	Alanine, N,N-(bis)carboxymet trisodium salt
Biodegradable	Yes
Test method	OECD 301 A
Result	90-100

Product/substance	Quaternary coco alkyl methyl amine ethoxylate methyl chloride
Biodegradable	Yes
Test method	OECD 301 D
Result	>60% BOD, 28 dage

12.3. Bioaccumulative potential

Product/substance	Alanine, N,N-(bis)carboxymet trisodium salt
Test method	
Potential	No

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

bioaccumulation
LogPow -4.0000
BCF No data available
Other information

Product/substance glycerol
Test method
Potential No
bioaccumulation
LogPow -1.7600
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.

HP 8 – Corrosive

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

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

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 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	1719	CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxide) (potassium hydroxide caustic potash)	Class: 8 Labels: 8 Classification code: C5	III	No	Limited quantities: 5 L Tunnel restriction code: 3 (E) See below for additional information.
IMDG	1719	CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxide) (potassium hydroxide caustic potash)	Class: 8 Labels: 8 Classification code: C5	III	No	Limited quantities: 5 L EmS: F-A S-B See below for additional information.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
IATA	1719	CAUSTIC ALKALI LIQUID, N.O.S. (Potassium Hydroxide) (potassium hydroxide caustic potash)	Class: 8 Labels: 8 Classification code: C5	III	No	See below for additional information.

* Packing group

** Environmental hazards

▼ Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See the Dangerous Goods List, section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

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.

People under the age of 18 shall not be exposed to this product.

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 as retained and amended in UK law. 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

The Management of Health and Safety at Work Regulations 1999

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H290, May be corrosive to metals.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.
 H318, Causes serious eye damage.
 H319, Causes serious eye irritation.
 H335, May cause respiratory irritation.
 H411, Toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 PROC10 = Roller application or brushing
 PC35 = Washing and Cleaning Products (including solvent based products)
 ERC8a = Wide dispersive indoor use of processing aids in open systems
 ERC8d = Wide dispersive outdoor use of processing aids in open systems

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) as retained and amended in UK law.
 The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼ **The safety data sheet is validated by**

NB

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