



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

SAFETY DATA SHEET

AGS 3505

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

1.1. Product identifier

Trade name

AGS 3505

Product no.

3505

Unique formula identifier (UFI)

XH60-T0CW-D00D-VY0E

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

Relevant identified uses of the substance or mixture

Graffiti protection remover

Restricted to professional and industrial use.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Trion Tensid AB

Svederusgatan 3A

SE-75450 Uppsala

Sweden

+46 18 15 61 90

www.trion.se

Contact person

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E-mail

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Revision

11/09/2026

SDS Version

6.0

Date of previous version

13/03/2026 (6.0)

1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: Hazards identification

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

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

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

Precautionary statement(s)

General

Not applicable.

Prevention

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

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

Response

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

Not applicable.

Disposal

Not applicable.

Hazardous substances

2-aminoethanol

hexyl D-glucoside

ammonia%

Additional labelling

UFI: XH60-T0CW-D00D-VY0E

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

≥5% - <15%

· Perfumes (BENZYL ALCOHOL)

< 5%

· Anionic surfactants

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
benzyl alcohol	CAS No.: 100-51-6 EC No.: 202-859-9 UK-REACH: Index No.: 603-057-00-5	10-15%	Acute Tox. 4, H302 Acute Tox. 4, H332	[9]
2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: Index No.: 603-096-00-8	5-10%	Eye Irrit. 2, H319	[1], [3]
1-butylpyrrolidin-2-one	CAS No.: 3470-98-2 EC No.: 222-437-8 UK-REACH: Index No.:	5-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
2-aminoethanol	CAS No.: 141-43-5 EC No.: 205-483-3 UK-REACH: Index No.: 603-030-00-8	3-5%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Acute Tox. 4, H332 STOT SE 3, H336 (SCL: 5.00 %)	[1]
ammonia%	CAS No.: 1336-21-6 EC No.: 215-647-6 UK-REACH: Index No.: 007-001-01-2	<0.25%	Skin Corr. 1B, H314 STOT SE 3, H336 (SCL: 5.00 %) Aquatic Acute 1, H400 (M=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.

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

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

Inhalation

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

Skin contact

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

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

If skin irritation occurs: Get medical advice/attention.

Eye contact

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

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

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 person 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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

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)

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.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

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.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

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

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

SECTION 7: Handling and storage

7.1. ▼ Precautions for safe handling

The product should be tested for peroxides before distillation or evaporation and tested for peroxide formation or discarded after 1 year.

Peroxide formation may be present anywhere in the container, including the sides, bottom, exterior and threaded cap. Peroxide formation in ppm concentrations may not be visually observable and must be identified through the use of appropriate testing procedures. If any of the following conditions exist, the material may be explosively unstable and will require stabilization prior to use:

1. Material appears to be degraded and or contaminated.
2. Material appears to be discolored.
3. Deterioration or distortion of storage container.

- 4. Thermal shock (sunlight).
- 5. Age of material exceeds recommended storage time.
- Avoid direct contact with the product.
- Avoid contact during pregnancy and while nursing.
- 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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits. 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 conditions

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-aminoethanol

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 2,5

Short term exposure limit (15 minutes) (ppm): 3

Short term exposure limit (15 minutes) (mg/m³): 7,6

Annotations:

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

1-butylpyrrolidin-2-one

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	5 mg/kg bw/day

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Long term – Systemic effects - Workers	Dermal	10 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	17,4 mg/m3
Long term – Systemic effects - Workers	Inhalation	70,5 mg/m3
Long term – Systemic effects - General population	Oral	2,5 mg/kg bw/day
Short term – Systemic effects - General population	Oral	2,5 mg/kg bw/day

2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	20 mg/kg/day
Long term – Local effects - Workers	Inhalation	67,5 mg/kbm 10 ppm
Long term – Systemic effects - Workers	Inhalation	67,5 mg/kbm 10 ppm
Short term – Local effects - Workers	Inhalation	101,2 mg/kbm

2-aminoethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	0,24 mg/sqm
Long term – Systemic effects - Workers	Dermal	1 mg/kg/day
Long term – Local effects - General population	Inhalation	2 mg/kbm
Long term – Local effects - Workers	Inhalation	3,3 mg/kbm
Long term – Systemic effects - General population	Inhalation	2 mg/kbm
Long term – Systemic effects - Workers	Inhalation	3,3 mg/kbm
Long term – Systemic effects - General population	Oral	3,75 mg/kg

ammonia%

Duration:	Route of exposure:	DNEL:
Short term – Systemic effects - Workers	Dermal	6,8 mg/kg bw/d
Long term – Systemic effects - Workers	Inhalation	14 mg/m3
Short term – Systemic effects - Workers	Inhalation	36 mg/m3
Short term – Systemic effects - Workers	Oral	6,8 mg/kg bw/d

benzyl alcohol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	4 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	8 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	20 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	40 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	5,4 mg/m3

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Long term – Systemic effects - Workers	Inhalation	22 mg/m3
Short term – Systemic effects - General population	Inhalation	27 mg/m3
Short term – Systemic effects - Workers	Inhalation	110 mg/m3
Long term – Systemic effects - General population	Oral	4 mg/kg bw/day
Short term – Systemic effects - General population	Oral	20 mg/kg bw/day

hexyl D-glucoside

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	357000 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	595000 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	124 mg/m3
Long term – Systemic effects - Workers	Inhalation	420 mg/m3
Long term – Systemic effects - General population	Oral	35,7 mg/kg bw/day

PNEC

1-butylpyrrolidin-2-one

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0,8 mg/L
Freshwater sediment	Single	6,336 mg/kg
Marine water	Single	0,08 mg/L
Marine water sediment	Single	06336 mg/kg
Sewage treatment plant	Continuous	30,62 mg/L
Soil	Single	0,7955 mg/kg
Water	Single	1 mg/L

2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	1 mg/L
Freshwater sediment	Single	4,4 mg/kg
Marine water	Single	0,1 mg/L
Marine water sediment	Single	0,44 mg/kg
Sewage treatment plant	Single	200 mg/L
Soil	Single	0,32 mg/kg

2-aminoethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		0,085 mg/L

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Freshwater sediment	0,434 mg/kg
Intermittent release	0,028 mg/L
Marine water	0,0085 mg/L
Marine water sediment	0,0434 mg/kg
Sewage treatment plant	100 mg/L
Soil	0,0367 mg/kg

ammonia%

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0,0011 mg/L
Marine water	Single	0,011 mg/L

benzyl alcohol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	1 mg/L
Freshwater sediment	Single	5,27 mg/kg
Marine water	Single	0,1 mg/L
Marine water sediment		0,527 mg/kg
Sewage treatment plant	Single	39 mg/L
Soil	Single	0,456 mg/kg
Water	Continuous	2,3 mg/L

hexyl D-glucoside

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater	Single	0,176 mg/L
Freshwater sediment	Single	0,722 mg/kg
Marine water	Single	0,018 mg/L
Marine water sediment	Single	0,072 mg/kg
Sewage treatment plant	Single	100 mg/L
Soil	Single	0,654 mg/kg

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 eyewash and emergency showers are clearly marked.

Ensure that eyewash stations and safety showers are located within easy reach.

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA 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
Dedicated work clothing should be worn.	-	-



Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,4	>480	EN374-2



Eye protection

Type	Standards
Wear safety glasses with side shields.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Yellowish

Odour / Odour threshold

Ammonia odor

pH

10,5

Density (g/cm³)

0.998

Kinematic viscosity

No data available.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

No data available.

Softening point/range (°C)

Does not apply to liquids.

Boiling point (°C)

<100

Vapour pressure

No data available.

Relative vapour density

No data available.

Decomposition temperature (°C)

No data available.

Data on fire and explosion hazards

Flash point (°C)

101

Flammability (°C)

435

Auto-ignition temperature (°C)

No data available.

Lower and upper explosion limit (% v/v)

Not applicable - based on structure

Solubility

Solubility in water

Insoluble

n-octanol/water coefficient (LogKow)

No data available.

Solubility in fat (g/L)

No data available.

9.2. Other information

Oxidizing properties

No data available.

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

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	benzyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1230 mg/kg ·

Product/substance	benzyl alcohol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kg ·

Product/substance	benzyl alcohol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>4178 mg/m3 ·

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Species:	Rat

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Route of exposure: Inhalation
 Test: LC50
 Result: >29 ppm (2h) ·

Product/substance 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 2410 mg/kg ·

Product/substance 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Rabbit
 Route of exposure: Dermal
 Test: LD50
 Result: 2764 mg/kg ·

Product/substance 1-butylpyrrolidin-2-one
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 300-2000 mg/kg ·

Product/substance 1-butylpyrrolidin-2-one
 Species: Rabbit
 Route of exposure: Dermal
 Test: LD50
 Result: >2000 mg/kg ·

Product/substance 2-aminoethanol
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 1720 mg/kg

Product/substance 2-aminoethanol
 Species: Rabbit
 Route of exposure: Dermal
 Test: LD50
 Result: 1025 mg/kg

Product/substance hexyl D-glucoside
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: >2000 mg/kg

Product/substance hexyl D-glucoside

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2000 mg/kg

Product/substance Alcohols, C9-C11, Ethoxylated
Species: Rat
Route of exposure: Oral
Test: LD50
Result: >2000 mg/kg

Product/substance ammonia%
Species: Human
Route of exposure: Oral
Test: LD lo
Result: 43 mg/kg ·

Product/substance ammonia%
Species: Human
Route of exposure: Inhalation
Test: LD lo
Result: 5000 ppm ·

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

Product/substance hexyl D-glucoside
Test method: OECD 406
Species: Guinea pig
Description: No sensation caused
Result: No adverse effect observed (not sensitising)

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

Skin sensitisation

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

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

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.

Symptoms related to the physical, chemical and toxicological characteristics

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

11.2. Information on other hazards

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	benzyl alcohol
Species:	Fish
Duration:	48 hours
Test:	LC50
Result:	646 mg/L ·

Product/substance	benzyl alcohol
Species:	Algae
Duration:	96 hours
Test:	LOEC
Result:	640 mg/L ·

Product/substance	benzyl alcohol
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	230 mg/L ·

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	1300 mg/l ·

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Product/substance 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Daphnia
 Duration: 72 hours
 Test: EC50
 Result: >100 mg/l ·

Product/substance 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
 Species: Algae
 Duration: 96 hours
 Test: EC50
 Result: >100 mg/l ·

Product/substance 1-butylpyrrolidin-2-one
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: >100 mg/L ·

Product/substance 1-butylpyrrolidin-2-one
 Species: Algae
 Duration: 72 hours
 Test: EC50
 Result: 130 mg/L ·

Product/substance 1-butylpyrrolidin-2-one
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: >100 mg/L ·

Product/substance 2-aminoethanol
 Species: Fish
 Duration: 96 hours
 Test: LC50
 Result: 125 mg/L ·

Product/substance 2-aminoethanol
 Species: Daphnia
 Duration: 48 hours
 Test: EC50
 Result: 65 mg/L

Product/substance 2-aminoethanol
 Species: Algae
 Duration: 72 hours
 Test: EC50

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Result: 2,5 mg/L

Product/substance: hexyl D-glucoside
Species: Fish
Duration: 96 hours
Test: LC50
Result: >100 mg/L

Product/substance: hexyl D-glucoside
Species: Daphnia
Duration: 48 hours
Test: EC50
Result: >100 mg/L

Product/substance: hexyl D-glucoside
Species: Algae
Duration: 72 hours
Test: EC50
Result: >100 mg/L

Product/substance: hexyl D-glucoside
Species: Algae
Duration: 72 hours
Test: NOEC
Result: >100 mg/L

Product/substance: hexyl D-glucoside
Species: Daphnia
Duration: 21 days
Test: NOEC
Result: >1-10 mg/L

Product/substance: Alcohols, C9-C11, Ethoxylated
Species: Fish
Duration: 96 hours
Test: LC50
Result: >1 mg/L

Product/substance: Alcohols, C9-C11, Ethoxylated
Species: Daphnia
Duration: 48 hours
Test: EC50
Result: >1 mg/L

Product/substance: Alcohols, C9-C11, Ethoxylated
Species: Algae
Duration: 72 hours

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Test: EC50
Result: >1 mg/L

Product/substance ammonia%
Species: Fish
Duration: 96 hours
Test: LC50
Result: 0,89 mg/L

Product/substance ammonia%
Species: Daphnia
Duration: 96 hours
Test: EC50
Result: 0,101 mg/L

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

12.2. Persistence and degradability

Product/substance benzyl alcohol
Result: >90%
Conclusion: -
Test: OECD 301 D

Product/substance 2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
Result: 100%
Conclusion: Readily biodegradable
Test: OECD 301 B

Product/substance 1-butylpyrrolidin-2-one
Conclusion: -

Product/substance 2-aminoethanol
Conclusion: Readily biodegradable

Product/substance hexyl D-glucoside
Result: >70%
Conclusion: -
Test: OECD 301 D

Product/substance Alcohols, C9-C11, Ethoxylated
Conclusion: -
Test: OECD 301 D

Product/substance ammonia%
Result: <70%
Conclusion: Readily biodegradable
Test: OECD 301 A

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.

12.3. Bioaccumulative potential

Product/substance	benzyl alcohol
Conclusion:	-

Product/substance	2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether
LogKow:	1,0000
Conclusion:	No potential for bioaccumulation

Product/substance	1-butylpyrrolidin-2-one
Conclusion:	-

Product/substance	2-aminoethanol
LogKow:	-1,91
Conclusion:	No potential for bioaccumulation

Product/substance	hexyl D-glucoside
Conclusion:	-

Product/substance	Alcohols, C9-C11, Ethoxylated
Conclusion:	-

Product/substance	ammonia%
LogKow:	-0,64
Conclusion:	No potential for bioaccumulation

12.4. Mobility in soil

ammonia%

LogKoc = 1.14, High mobility potential.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

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

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.

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

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/A DN/RID	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

*** UN number or ID number

Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

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

Demands for specific education

No specific requirements.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances

Not applicable.

UK-REACH, Annex XVII

2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether is subject to restrictions, UK-REACH annex XVII (entry 55).

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

≥5% - <15%

- Perfumes (BENZYL ALCOHOL)

< 5%

- Anionic surfactants

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.

The Health and Safety at Work etc. Act 1974 Regulations 2013.

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

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H336, May cause drowsiness or dizziness.

H400, Very toxic to aquatic life.

▼ 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 (European conformity)

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

EC = Effective concentration
ED = Effective dose
EINECS = European Inventory of Existing Commercial chemical Substances
EL = Effective Loading
ErC = Concentration associated with x% growth rate response
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
HP = Hazardous Property code
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IC = X maximum inhibitory concentration
IMDG = International Maritime Dangerous Goods
LC = Lethal concentration
LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans
LD = Lethal dose
LOAEC = Lowest Observed Adverse Effect Concentration
LOAEL = Lowest Observed Adverse Effect Level
LOEC = Lowest Observed Effect Concentration
LogKow = logarithm of the n-octanol/water coefficient
LL = Lethal Loading
M = For multiplication factor
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOAEC = No Observed Adverse Effect Concentration
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOELR = No Observable Effect Loading Rate
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 = Unknown or variable composition, complex reaction products or of biological materials



According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

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 safety data sheet is validated by

LÄ

Other

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