

SAFETY DATA SHEET

Sanitary cleaner Abena Puri-Line**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Trade name	Sanitary cleaner Abena Puri-Line
▼ Product no.	1999900396, 160532
▼ Unique formula identifier (UFI)	UDK0-Q0Y2-A00N-DEJ2

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

Relevant identified uses of the substance or mixture	Acidic cleaning agent. Restricted to professional users.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company and address	Abena A/S Egelund 35 6200 Aabenraa Denmark
E-mail	info@abena.dk
Revision	11/12/2024
SDS Version	2.0
Date of previous version	29/11/2024 (1.0)

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 112 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 Corr. 1C; 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)

Precautionary statement(s)

General

-

Prevention

Wear eye protection/face protection. (P280)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (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

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Disposal	-
Hazardous substances	L-(+)-lactic Acid
Additional labelling	UFI: UDK0-Q0Y2-A00N-DEJ2
Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law	5% - 15% · Non-ionic surfactants

2.3. Other hazards

In contact with compounds containing chlorine, toxic gases may form. Generates strong heat in contact with alkaline compounds, risk of bumping.

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
Citric acid, monohydrate	CAS No.: 5949-29-1 EC No.: 611-842-9 UK-REACH: Index No.:	5-10%	Eye Irrit. 2, H319 STOT SE 3, H335	
L-(+)-lactic Acid	CAS No.: 79-33-4 EC No.: 201-196-2 UK-REACH: Index No.: 607-743-00-5	5-10%	EUH071 Skin Corr. 1C, H314 Eye Dam. 1, H318	
Isotridecanoethoxylate	CAS No.: 69011-36-5 EC No.: 500-241-6 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 (ATE: 555.56 mg/kg) Eye Dam. 1, H318 (SCL: 10.00 %)	
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	CAS No.: 110615-47-9 EC No.: 600-975-8 UK-REACH: Index No.:	1-3%	Skin Irrit. 2, H315 (SCL: 30.00 %) Eye Dam. 1, H318 (SCL: 12.00 %) Eye Irrit. 2, H319 (SCL: 10.00 %)	
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No.: 68515-73-1 EC No.: 500-220-1 UK-REACH: Index No.:	1-3%	Eye Dam. 1, H318 (SCL: 10.00 %)	

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

Other information

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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	Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment. 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	If in eyes: Flush eyes with plenty of water or salt water (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	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 from returning to the 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

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

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

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

Carbon oxides (CO / 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.

Hazchem Code: 2X

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
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

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

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.

Shelf-life: 36 months.

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

Storage conditions 0 - 35 °C

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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

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/m ³
Long term – Systemic effects - Workers	Inhalation	420 mg/m ³
Long term – Systemic effects - General population	Oral	35.7 mg/kg bw/day

D-Glucopyranose, oligomers, decyl octyl glycosides

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/m ³
Long term – Systemic effects - Workers	Inhalation	420 mg/m ³
Long term – Systemic effects - General population	Oral	35.7 mg/kg bw/day

PNEC

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		176 µg/L
Freshwater sediment		1.516 mg/kg
Intermittent release (freshwater)		29.5 µg/L
Marine water		18 µg/L
Marine water sediment		65 µg/kg
Predators		111.11 mg/kg
Sewage treatment plant		5 g/L
Soil		654 µg/kg

D-Glucopyranose, oligomers, decyl octyl glycosides

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		176 µg/L
Freshwater sediment		1.516 mg/kg

Intermittent release (freshwater)	270 µg/L
Marine water	17.6 µg/L
Marine water sediment	152 µg/kg
Predators	111.11 mg/kg
Sewage treatment plant	560 mg/L
Soil	654 µg/kg

8.2. Exposure controls

Apply general control to prevent unnecessary exposure

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	Occupational exposure limits have not been defined for the substances in this product.
Appropriate technical measures	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	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to 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 Use only UKCA marked protective equipment.

Respiratory Equipment
No specific requirements

Skin protection
No specific requirements.

Hand protection
No specific requirements.

Eye protection

Type	Standards
Safety glasses	EN166



In the likelihood of direct or incidental exposure, use face protection.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour / Odour threshold	No relevant or available data due to the nature of the product.
pH	~2,0
pH in solution	~6,5 (1%)
Density (g/cm ³)	~1,05
Kinematic viscosity	<50 mPa.s
Particle characteristics	Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)	No relevant or available data due to the nature of the product.
Softening point/range (°C)	Does not apply to liquids.
Boiling point (°C)	No relevant or available data due to the nature of the product.
Vapour pressure	No relevant or available data due to the nature of the product.
Relative vapour density	No relevant or available data due to the nature of the product.
Decomposition temperature (°C)	No relevant or available data due to the nature of the product.

Data on fire and explosion hazards

Flash point (°C)	No relevant or available data due to the nature of the product.
Flammability (°C)	No relevant or available data due to the nature of the product.
Auto-ignition temperature (°C)	No relevant or available data due to the nature of the product.
Lower and upper explosion limit (% v/v)	No relevant or available data due to the nature of the product.

Solubility

Solubility in water	Completely soluble
n-octanol/water coefficient (LogKow)	No relevant or available data due to the nature of the product.
Solubility in fat (g/L)	No relevant or available data due to the nature of the product.

9.2. Other information

Oxidizing properties	Does not meet the criteria for oxidising.
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

Thermal decomposition may produce corrosive vapours.

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	Citric acid, monohydrate
Test method:	OECD 401
Species:	Mouse, male/female
Route of exposure:	Oral
Test:	LD50
Result:	5400 mg/kg bw
Other information:	Source: ECHA

Product/substance	Citric acid, monohydrate
Test method:	OECD 402
Species:	Rat, male/female
Route of exposure:	Dermal
Test:	LD50
Result:	3000 mg/kg
Other information:	Source: ECHA

Product/substance	L-(+)-lactic Acid
Species:	Rat, female
Route of exposure:	Oral
Test:	LD50
Result:	3543 mg/kg bw
Other information:	Source: ECHA

Product/substance Species: Route of exposure: Test: Result: Other information:	L-(+)-lactic Acid Rabbit, New Zealand White, male/female Dermal LD50 > 2000 mg/kg mg/kg bw Source: ECHA
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	L-(+)-lactic Acid OECD 403 Rat, Fischer 344, male/female Inhalation LC50 > 7,94 mg/l mg/L Source: ECHA
Product/substance Species: Route of exposure: Test: Result: Other information:	L-(+)-lactic Acid Rat, male Oral LC50 4936 mg/kg bw Source: ECHA
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	Isotridecanoethoxylate OECD 423 Rat Oral LD50 300-2000 mg/kg Source: Supplier SDS
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	Isotridecanoethoxylate OECD 402 Rat Dermal LD50 >2000 mg/kg Source: Supplier SDS
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides OECD 401 Rat, Sprague-Dawley, male/female Oral LD50 >5000 mg/L Source: ECHA
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides OECD 402 Rabbit, New Zealand White, male/female Dermal LD50 >2000 mg/kg bw Source: ECHA
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	D-Glucopyranose, oligomers, decyl octyl glycosides OECD 401 Rat, Sprague-Dawley, male/female Oral LD50 > 2000 mg/kg bw Source: ECHA
Product/substance Test method: Species: Route of exposure: Test: Result: Other information:	D-Glucopyranose, oligomers, decyl octyl glycosides OECD 402 Rabbit, New Zealand White, male/female Dermal LD50 > 2000 mg/kg Source: ECHA

Skin corrosion/irritation

Product/substance Test method:	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides OECD 404
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Species: Rabbit
 Result: Adverse effect observed (Irritating)
 Other information: Source: ECHA

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Product/substance Citric acid, monohydrate
 Result: Adverse effect observed (Causes serious eye damage)

Product/substance Isotridecaneolethoxylate
 Species: Rabbit
 Result: Adverse effect observed (Causes serious eye damage)
 Other information: Source: Supplier SDS

Product/substance D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
 Test method: OECD 405
 Species: Rabbit
 Duration: No data available.
 Result: Adverse effect observed (Corrosive)
 Other information: Source: ECHA

Product/substance D-Glucopyranose, oligomers, decyl octyl glycosides
 Test method: OECD 405
 Species: Rabbit
 Result: Adverse effect observed (Highly irritating)

Causes serious eye damage.

Respiratory sensitisation

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

Skin sensitisation

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.

11.2. Information on other hazards

Long term effects

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.

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 Citric acid, monohydrate
 Test method: OECD 203
 Species: Fish, *Leuciscus idus*

Duration:	48 hours
Test:	LC50
Result:	440 mg/L
Other information:	Source: ECHA
Product/substance	Citric acid, monohydrate
Species:	Algae, <i>Scenedesmus quadricauda</i>
Compartment:	Freshwater
Duration:	8 days
Test:	NOEC
Result:	425 mg/L
Other information:	Source: ECHA
Product/substance	Citric acid, monohydrate
Species:	Crustacean, <i>Daphnia magna</i>
Compartment:	Freshwater
Duration:	24 hours
Test:	EC50
Result:	1535 mg/L
Other information:	Source: ECHA
Product/substance	L-(+)-lactic Acid
Test method:	LC50
Species:	Fish, <i>Oncorhynchus mykiss</i>
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	130 mg/L
Other information:	Source: ECHA
Product/substance	L-(+)-lactic Acid
Test method:	OECD 201
Species:	Algae, <i>Pseudokirchneriella subcapitata</i>
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	3500 mg/l
Other information:	Source: ECHA
Product/substance	L-(+)-lactic Acid
Test method:	OECD 202
Species:	Crustacean, <i>Daphnia magna</i>
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	130 mg/L
Other information:	Source: ECHA
Product/substance	Isotridecanoethoxylate
Test method:	OECD 203
Species:	Fish, <i>Brachydanio rerio</i>
Duration:	96 hours
Test:	LC50
Result:	>10-100 mg/L
Other information:	Source: Supplier SDS
Product/substance	Isotridecanoethoxylate
Test method:	OECD 201
Species:	Algae, <i>Desmodesmus subspicatus</i>
Duration:	72 hours
Test:	EC50
Result:	1 - 10 mg/L
Other information:	Source: Supplier SDS
Product/substance	Isotridecanoethoxylate
Species:	Crustacean, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	1 - 10 mg/L
Other information:	Source: Supplier SDS
Product/substance	Isotridecanoethoxylate
Species:	<i>Daphnia</i> , <i>Daphnia magna</i>
Duration:	21 days

Test:	EC10
Result:	2,6 mg/L
Other information:	Source: Supplier SDS
Product/substance	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Species:	Fish, Danio rerio
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	2.95 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Species:	Daphnia, Daphnia magna
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	7 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Species:	Algae, Desmodesmus subspicatus
Compartment:	Freshwater
Duration:	72 hours
Test:	EC50
Result:	5 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	100,81 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Species:	Algae, Desmodesmus subspicatus
Compartment:	Freshwater
Duration:	72 hours
Result:	27,22 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	> 100 mg/L
Other information:	Source: ECHA

12.2. Persistence and degradability

Product/substance	Citric acid, monohydrate
Result:	97%
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	L-(+)-lactic Acid
Result:	75,5 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	Isotridecanoethoxylate
Result:	> 60%
Conclusion:	Readily biodegradable
Test:	OECD 301 B

Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Result:	> 60 %
Conclusion:	Readily biodegradable
Test:	OECD 301 B

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 Citric acid, monohydrate
Conclusion: No potential for bioaccumulation

Product/substance L-(+)-lactic Acid
Conclusion: No potential for bioaccumulation

Product/substance Isotridecanoethoxylate
Conclusion: No potential for bioaccumulation

Product/substance D-Glucopyranose, oligomers, decyl octyl glycosides
Conclusion: No potential for bioaccumulation

The product is not bioaccumulating

12.4. Mobility in soil

No data available.

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

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

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

Contaminated packing

EWC code 15 01 10* Packaging containing residues of or contaminated by dangerous substances

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	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (L-(+)-lactic Acid)	Transport hazard class: 8 Label: 8 Classification code: C3 	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (L-(+)-lactic Acid)	Transport hazard class: 8 Label: 8 Classification code: C3	III	No	Limited quantities: 5 L EmS: F-A S-B

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
					See below for additional information.
IATA	UN3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (L-+)-lactic Acid)	Transport hazard class: 8 Label: 8 Classification code: C3	III	No	See below for additional information.
					

* Packing group

** Environmental hazards

Additional information

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

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 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.
Hazchem Code: 2X

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.

Control of Major Accident Hazards (COMAH) - Categories / dangerous substances Not applicable.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law 5% - 15%
· Non-ionic 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.
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

EUH071, Corrosive to the respiratory tract.
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.

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
EINECS = European Inventory of Existing Commercial chemical Substances
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
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 safety data sheet is validated by

IUBO

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.
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