Safety data sheet
according to UK REACH

Printing date 18.09.2024 Version: 5.00 (replaces version 4.00) Revision: 14.06.2021

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

1.1 Product identifier

Trade name: SONAX FoamCare - Polish+Shine

Article number:
06757050
UFI: WJE3-90C0-Q00D-R1RA
1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture
Car care product
Cleaning material/ Detergent
Professional uses
Uses advised against Consumer uses: Private households / general public / consumers

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
SONAX GmbH
Münchener Straße 75
D-86633 Neuburg (Donau)
Tel.: ++49 (0)8431/53-0

Further information obtainable from:
Product safety
E-mail: erp@sonax.de
Phone: + +49 (0) 8431 53 217
United Kingdom:
Anglo American Oil Company Ltd
58 Holton Road, Holton Heath Trading Park, Poole, Dorset, BH16 6LT
Telephone: (+44) 01929 551557
Email: info@aaoil.co.uk

1.4 Emergency telephone number:
European Union: +49 (0) 89 19240 (Poison Centre Munich)
United Kingdom: 0344 892 0111 (UK NPIS)
Members of Public in England, Scotland and Wales can contact NHS 111/NHS 24 by dialling 111
In Northern Ireland, contact your local GP

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2	H315 Causes skin irritation.
Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the GB CLP regulation.
Hazard pictograms

GHS05

Signal word Danger

Hazard-determining components of labelling:
Dipalmoylisopropyl Dimonium Methosulfate
Lauramine Oxide
Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
P280 Wear protective gloves/eye protection.

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P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT:
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.
Determination of endocrine-disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: aqueous tenside solution with additives

Dangerous components:		
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	5-<10%
CAS: 1474044-71-7 EC No 939-685-4 Reg.nr.: 01-2119983493-26-xxxx	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts) Alternative CAS number: 95009-13-5 Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	5-<10%
CAS: 308062-28-4 EC No 931-292-6 Reg.nr.: 01-2119490061-47-xxxx	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Alternative CAS number: 70592-80-2 Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	5-<10%
CAS: 94095-35-9 EC No 931-216-1 Reg.nr.: 01-2119472309-33-xxxx	9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized Alternative CAS number: 157905-74-3 Skin Irrit. 2, H315; Eye Irrit. 2, H319 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 28 % Eye Irrit. 2; H319: C ≥ 28 %	5-<10%
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28-xxxx	3-butoxypropan-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 20 % Eye Irrit. 2; H319: C ≥ 20 %	3-<5%
CAS: 147170-44-3 EC No 931-333-8 Reg.nr.: 01-2119489410-39-xxxx	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts Alternative CAS number: 61789-40-0 Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 4 % ≤ C < 10 %	1-<4%
CAS: 79-33-4 EINECS: 201-196-2 Reg.nr.: 01-2119474164-39-xxxx	L-(+)-lactic acid Skin Corr. 1C, H314; Eye Dam. 1, H318, EUH071	1-<3%

Regulation (EC) No 648/2004 on detergents / Labelling for contents	
cationic surfactants, amphoteric surfactants	≥5 - <15%
perfumes	

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Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: Remove soiled clothing
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Wash the areas of skin affected with water and a mild detergent.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
4.2 Most important symptoms and effects, both acute and delayed
Eye irritation / Eye damage
Skin irritation

4.3 Indication of any immediate medical attention and special treatment needed
Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
5.2 Special hazards arising from the substance or mixture No further relevant information available.
5.3 Advice for firefighters
Protective equipment:
The normal measures for firefighting are to be taken.
Do not enter the hazardous area without a self-contained breathing apparatus.
See Section 8 for information on personal protection equipment.
Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
For non-emergency personnel Wear protective clothing.
For emergency responders Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Use only in well ventilated areas.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
Information about storage in one common storage facility:
Store away from foodstuffs.
Observe local/state/federal regulations.

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Further information about storage conditions:
Store receptacle in a well ventilated area.
Keep container tightly sealed.
Protect from frost.
Recommended storage temperature: 20 °C.
7.3 Specific end use(s) *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol	
WEL (Great Britain)	*Short-term value: 101.2 mg/m³, 15 ppm* *Long-term value: 67.5 mg/m³, 10 ppm*
IOELV (EU)	*Short-term value: 101.2 mg/m³, 15 ppm* *Long-term value: 67.5 mg/m³, 10 ppm*
OEL (Ireland)	*Short-term value: 101.2 mg/m³, 15 ppm* *Long-term value: 67.5 mg/m³, 10 ppm* *IOELV*

Regulatory information
WEL (Great Britain): EH40/2020
IOELV (EU): (EU) 2019/1831
OEL (Ireland): 2020 CoP for the Safety, Health and Welfare at Work

DNELs		
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	*DNEL*	*5 mg/kg bw/day (consumer) (chronic systemic effect)*
Dermal	*DNEL*	*83 mg/bw/day (worker) (chronic systemic effect)*
	DNEL	*50 mg/kg bw/day (consumer) (chronic systemic effect)*
Inhalative	*DNEL*	*67.5 mg/m³ (worker) (chronic systemic effect)*
	DNEL	*67.5 mg/m³ (worker) (chronic locale effects)*
	DNEL	*40.5 mg/m³ (consumer) (chronic systemic effect)*
	DNEL	*40.5 mg/m³ (consumer) (chronic locale effects)*
CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts)		
Oral	*DNEL*	*1.25 mg/kg bw/day (consumer) (longterm systematic effects)*
Dermal	*DNEL*	*56.25 mg/kg bw/day (consumer) (longterm systematic effects)*
		112.5 mg/kg bw/day (worker) (longterm systematic effects)
Inhalative	*DNEL*	*2.17 mg/m³ (consumer) (longterm systematic effects)*
		8.72 mg/m³ (worker) (longterm systematic effects)
CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		
Oral	*DNEL*	*0.44 mg/kg bw/day (consumer) (longterm / systemic effects)*
Dermal	*DNEL*	*5.5 mg/kg bw/day (consumer) (longterm / systemic effects)*
		11 mg/kg bw/day (worker) (longtime / systemic effects)
Inhalative	*DNEL*	*1.53 mg/m³ (consumer) (longterm / systemic effects)*
		6.2 mg/m³ (worker) (longterm / systemic effects)
CAS: 5131-66-8 3-butoxypropan-2-ol		
Oral	*DNEL*	*12.5 mg/kg (consumer) (longterm systematic effects)*
Dermal	*DNEL*	*22 mg/kg (consumer) (longterm systematic effects)*
		52 mg/kg (worker) (longterm systematic effects)
Inhalative	*DNEL*	*43 mg/m³ (consumer) (longterm systematic effects)*
		147 mg/m³ (worker) (longterm systematic effects)
CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts		
Oral	*DNEL*	*7.5 mg/kg (consumer) (longterm systematic effects)*
Dermal	*DNEL*	*7.5 mg/kg (consumer) (longterm systematic effects)*

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		12.5 mg/kg (worker) (longterm systematic effects)
Inhalative	DNEL	44 mg/m³ (worker) (longterm systematic effects)

PNECs

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

PNEC	200 mg/l (STP)
	11 mg/l (water)
	1.1 mg/l (water (fresh water))
	0.11 mg/l (water (sea water))
PNEC	4.4 mg/kg (sediment (fresh water))
	0.44 mg/kg (sediment (sea water))
	0.32 mg/kg (soil)
	56 mg/kg (water)

CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts)

PNEC	10 mg/l (STP)
	0.017 mg/l (water (fresh water))
	0.002 mg/l (water (sea water))
PNEC	1.7 mg/kg (sediment (fresh water))
	0.17 mg/kg (sediment (sea water))
	0.331 mg/kg (soil)

CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

PNEC	0.0335 mg/l (water (intermittent release))
	0.0335 mg/l (water (fresh water))
	0.00335 mg/l (water (sea water))
PNEC	24 mg/kg (STP)
	5.24 mg/kg (sediment (fresh water))
	0.524 mg/kg (sediment (sea water))
	1.02 mg/kg (soil)

CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized

PNEC	2.96 mg/l (sewage plant)
	0.00191 mg/l (water (fresh water))
	0.000191 mg/l (water (sea water))
PNEC	0.58 mg/kg (sediment (fresh water))
	0.058 mg/kg (sediment (sea water))

CAS: 5131-66-8 3-butoxypropan-2-ol

PNEC	10 mg/l (sewage plant)
	5.25 mg/l (sporadic release)
	0.525 mg/l (water (fresh water))
	0.0525 mg/l (water (sea water))
PNEC	2.36 mg/kg (sediment (fresh water))
	0.236 mg/kg (sediment (sea water))
	0.16 mg/kg (soil)

CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts

PNEC	3,000 mg/l (STP)
	0.0135 mg/l (water (fresh water))
	0.00135 mg/l (water (sea water))
PNEC	1 mg/kg (sediment (fresh water))
	0.1 mg/kg (sediment (sea water))
	0.8 mg/kg (soil)

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CAS: 79-33-4 L-(+)-lactic acid	
PNEC	10 mg/l (STP) 1.3 mg/l (water)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Suitable technical control devices
Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Respiratory protection:
Not required in normal cases
Ensure good ventilation/exhaustion at the workplace.
Hand protection Protective gloves
Material of gloves
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
[EN 374]
Penetration time of glove material
Value for the permeation: Level 6 (≥480 min)
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
Eye/face protection
Safety glasses
[EN 166]

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Fluid
Colour:	Light yellow
Odour:	Fruit-like
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	100 °C (CAS: 7732-18-5 water)
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not applicable
Upper:	Not applicable
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH at 20 °C	4.8-5.2
Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm²/s
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	23 hPa (CAS: 7732-18-5 water)
Density and/or relative density	
Density at 20 °C:	0.99-1.00 g/cm³
Vapour density	Not determined.

(Contd. on page 7)

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9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not applicable
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid See Section 7 for information on safe handling.
10.5 Incompatible materials: No known incompatible materials.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	LD50	2,410 mg/kg (mouse) (ECHA)
Dermal	LD50	2,764 mg/kg (rabbit) (ECHA)
CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts)		
Oral	LD50	>2,000 mg/kg (mouse) (OECD 423)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD TG 402)
CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		
Oral	LD50	1,064 mg/kg (rat)
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

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CAS: 5131-66-8 3-butoxypropan-2-ol		
Oral	LD50	3,300 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	>3.5 mg/l (rat) (OECD 403)
CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts		
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
CAS: 79-33-4 L-(+)-lactic acid		
Oral	LD50	3,543 mg/kg (rate (female))
		4,936 mg/kg (rat (male))
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50	>7.94 mg/l (rat (male))
	LC50 / 4h	7.94 mg/l (rat (male))

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or 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.

Additional toxicological information:

Repeated dose toxicity		
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	NOAEL	250 mg/kg (rat) (ECHA)
Inhalative	NOAEC	0.094 mg/m³ (Ratte) (OECD 413)
CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts)		
Dermal	NOAEL 28d	500 mg/kg (rat) (OECD 407)
CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides		
Oral	NOAEL	88 mg/kg (rat) (subchronic effects)
Dermal	LOAEL	0.045 mg/cm² (mouse) (subchronic effects)
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		
Oral	NOAEL	1,000 mg/kg (rat)
		300 mg/kg (Ratte)

11.2 Information on other hazards
Endocrine disrupting properties
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity
Product is considered to be harmful to aquatic organisms. May have long-term harmful effects in aquatic environments.

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Aquatic toxicity:	
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol	
LC50 / 96h	1,300 mg/l (Lepomis macrochirus) (OECD 203)
EC50 / 48h	>100 mg/l (Daphnia magna) (ECHA)
ErC50	1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA)
CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts)	
LC50 / 96h	>10 mg/l (Cyprinus carpio) (OECD 203)
EC20 / 6d	10 mg/l (activated sludge)
EC50 / 48h	>8.6 mg/l (Daphnia magna) (OECD 202)
EC50 / 72h	1.2 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50 / 6 d	100 mg/l (activated sludge)
NOEC / 21 d	1 mg/l (Daphnia magna) (EPA OTS 797.1330)
NOEC / 72 h	0.39 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC / 35 d	0.686 mg/l (Pimephales promelas) (US-EPA)
CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	
LC50 / 96h	2.67 mg/l (fish)
EC50	3.1 mg/l (waterflea /Wasserfloh)
IC 50	0.143 mg/l (seaweed (Seegras))
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	
LC50 / 96h	1.91 mg/l (fish) (OECD 203)
EC50 / 48h	2.23 mg/l (daphnia) (EU Method C.2)
EC50 / 72h	2.14 mg/l (algae) (OECD 201)
EC10 / 72 h	1.48 mg/l (algae) (OECD 201)
CAS: 5131-66-8 3-butoxypropan-2-ol	
LC50 / 96h	>560-1,000 mg/l (Poecilla reticulata) (OECD 203)
EC50/3h	>1,000 mg/l (activated sludge) (OECD 209)
EC50 / 48h	>1,000 mg/l (Daphnia magna) (OECD 202)
EC50 / 96 h	>1,000 mg/l (Pseudokirchneriella subcapitata)
CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts	
LC 50	>1-10 mg/l (Pimephales promelas) (OECD 203)
EC0	>100 mg/l (Pseudomonas putida) (OECD 209)
EC50	>1-10 mg/l (Daphnia magna) (OECD 202)
	>1-10 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC	≤1 mg/l (Oncorhynchus mykiss) (OECD210)
	≤1 mg/l (Daphnia magna) (OECD 211)
CAS: 79-33-4 L-(+)-lactic acid	
LC50 / 96h	130 mg/l (Oncorhynchus mykiss)
	320 mg/l (Danio rerio)
EC50/3h	>88.2 mg/l (activated sludge)
EC50 / 48h	130 mg/l (Daphnia magna)
EL0 / 72h	3,500 mg/l (Pseudokirchneriella subcapitata)

12.2 Persistence and degradability
The surface-active substances contained in the product meet the requirement of the EU Detregent Regulation (EC/648/2004) for ultimate biodegradability for surfactants in detergents.

CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters withfatty acids, C18 unsatd., Me sulfates (salts)	
Biodegradation	>60 % (OECD TG 301 F)
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	
Biodegradation	>60 % (OECD 301 B Ready Biodegradability -. CO2 Evolution)

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CAS: 5131-66-8 3-butoxypropan-2-ol	
Biodegradation	90 % (OECD301E/92/69/EWG, C4.-B)

12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT:
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as vPvB
12.6 Endocrine disrupting properties
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.
12.7 Other adverse effects
Additional ecological information:
General notes: Do not allow product to reach ground water, water course or sewage system.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Waste must be disposed of while observing the local, official regulations.
European waste catalogue
1) Disposal / product
2) Disposal / contaminated packaging

20 01 29*	detergents containing hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP4	Irritant - skin irritation and eye damage
HP14	Ecotoxic

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number **ADR/RID/ADN, IMDG, IATA**	Void
14.2 UN proper shipping name **ADR/RID/ADN, IMDG, IATA**	Void
14.3 Transport hazard class(es) **ADR/RID/ADN, ADN, IMDG, IATA** **Class**	Void
14.4 Packing group **ADR/RID/ADN, IMDG, IATA**	Void
14.5 Environmental hazards: **Marine pollutant:**	No
14.6 Special precautions for user	Not applicable.
UN "Model Regulation":	Void

*
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
European Directives:
Directive 2010/75/EU (VOC) 4.55 %
Catégorie SEVESO (DIRECTIVE 2012/18/EU) not subject to

(Contd. on page 11)

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REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

National regulations:

Information about limitation of use:
Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
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.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Classification according to Regulation (EC) No 1272/2008	
Skin corrosion/irritation Serious eye damage/irritation Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
NOEL = No Observed Effect Level
NOEC = No Observed Effect Concentration
LC = letal Concentration
EC50 = half maximal effective concentration
log POW = Octanol / water partition coefficient
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ATE: acute toxicity estimate
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IOELV = indicative occupational exposure limit values
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
*** Data compared to the previous version altered.**