

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.04.2023

Version: 6.01 (replaces version 6.00)

Revision: 13.04.2023

Finning dat	e 13.04.2023		Revision. 13.04.2023
SECT	ION 1: Identificatio	n of the substance/mixture and o	f the company/undertaking
1.1 Pro	duct identifier		
Trade i	name: <u>SONAX XTREM</u> E	RichFoam Shampoo	
024830 UFI: R. 1.2 Rel Applica Car car Deterge Consur	ation of the substance . e product ents	f the substance or mixture and uses advi / the mixture nolds / general public / consumers	ised against
		currently no information available on this.	
1.3 Det Manufa SONAX Münche D-8663	ails of the supplier of t acturer/Supplier: (GmbH ener Straße 75 3 Neuburg (Donau) -49 (0)8431/53-0	-	
Produc E-mail: Phone: United Anglo A 58 Holt Telepho	erp@sonax.de + +49 (0) 8431 53 217 Kingdom: American Oil Company L	td Frading Park, Poole, Dorset, BH16 6LT	
Europe United Membe	Kingdom: 0344 892 01	9240 (Poison Centre Munich) I 11 (UK NPIS) Scotland and Wales can contact NHS 111/N	IHS 24 by dialling 111
0507			
SECI	ION 2: Hazards ide	ntification	
	ssification of the subst ication according to Re	tance or mixture egulation (EC) No 1272/2008	
Eye Irri	t. 2 H319 Causes seriou	is eye irritation.	
Labelli The pro	bel elements ng according to Regula oduct is classified and lal pictograms	ation (EC) No 1272/2008 belled according to the GB CLP regulation.	
GHS0	7		
Hazard H319 C	word Warning I statements causes serious eye irritat tionary statements		
P101 P102 P264	If medical ad Keep out of	lvice is needed, have product container or la reach of children. thoroughly after handling.	abel at hand.
P280	Wear eye pr P351+P338 IF IN EYES:		ites. Remove contact lenses, if
P337+F		on persists: Get medical advice/attention.	(Contd. on page 2) GB — GB
			GB



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P501

(Contd. of page 1) 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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Aqueous tenside solution.

CAS: 68891-38-3	alcohols, C12-14, ethoxylated, sulfates, sodium salts	5-<10
NLP: 500-234-8 Reg.nr.: 01-2119488639-16-xxxx	📀 Eye Dam. 1, H318; 🗘 Skin Irrit. 2, H315; Aquatic Chronic 3,	
	Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 %	
	Eye Irrit. 2; H319: 5 % ≤ C < 10 %	
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	1-<3
EINECS: 203-961-6	🚯 Eye Irrit. 2, H319	
Reg.nr.: 01-2119475104-44-xxxx		
CAS: 308062-28-4	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	<0.25
EC No 931-292-6	Alternative CAS number: 70592-80-2	
Reg.nr.: 01-2119490061-47-xxxx	Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 2, H411; Skin Irrit. 2, H315	
CAS: 3811-73-2	pyridine-2-thiol 1-oxide, sodium salt	<0.1
EINECS: 223-296-5	📀 Eye Dam. 1, H318; 🚯 Aquatic Acute 1, H400 (M=100);	
Reg.nr.: 01-2119493385-28-xxxx	Aquatic Chronic 2, H411; () Acute Tox. 4, H302; Acute Tox. 4, H332	
Regulation (EC) No 648/2004 on	detergents / Labelling for contents	
anionic surfactants		≥5 - <159
phenoxyethanol, perfumes (LINAL	OOL), sodium pyrithione	

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: Immediately remove any clothing soiled by the product.

After inhalation: No special measures required

After skin contact: Wash the areas of skin affected with water and a mild detergent.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. *After swallowing:*

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

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

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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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation For non-emergency personnel

The usual precautionary measures are to be adhered to when handling chemicals.

For emergency responders Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

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 No special precautions are necessary if used correctly. *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.

Further information about storage conditions:

Protect from frost.

Recommended storage temperature: 20 °C.

7.3 Specific end use(s) No further relevant information available.

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 ppmIOELV (EU)Short-term value: 101.2 mg/m³, 15 ppm
Long-term value: 67.5 mg/m³, 10 ppmOEL (Ireland)Short-term value: 67.5 mg/m³, 10 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): 2021 CoP for the Safety, Health and Welfare at Work

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AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts ral DNEL 15 mg/kg (VL) ermal DNEL 1,650 mg/kg (VL) ermal DNEL 52 mg/m³ (Worker long-term) halative DNEL 52 mg/m³ (worker long-term) AS: 112-34-52-(2-butoxyethoxy)ethanol Instance ral DNEL 5 mg/kg bw/day (consumer) (chronic systemic effect) onneL 83 mg/bw/day (worker) (chronic systemic effect) onneL 50 mg/kg bw/day (consumer) (chronic systemic effect) onneL 67.5 mg/m³ (worker) (chronic systemic effect) onneL 67.5 mg/m³ (worker) (chronic systemic effect) onneL 67.5 mg/m³ (consumer) (chronic systemic effect) onneL 67.5 mg/m³ (consumer) (chronic systemic effect) onneL 67.5 mg/m³ (consumer) (chronic systemic effect) onneL 40.5 mg/m³ (consumer) (chronic locale effects) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides rral DNEL 0.44 mg/kg bw/day (consumer) (longterm systematic effects) inhalative DNEL 5.5 mg/kg bw/day (consumer) (longterm systematic effects) inhalative DNEL 3.8 mg/m³ (consumer) (longterm systematic	DNELs			(Contd. of pag
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DNEL 40.5 mg/m³ (consumer) (chronic locale effects) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral DNEL 0.44 mg/kg bw/day (consumer) (acute systematic effects) DNEL 5.5 mg/kg bw/day (consumer) (longterm systematic effects) 11 mg/kg bw/day (worker) (longterm systematic effects) 12.5 mg/m³ (consumer) (longterm systematic effects) 13.8 mg/m³ (consumer) (longterm systematic effects) 15.5 mg/kg two/day (worker) (longterm systematic effects) NECS AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10.000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) 0.44 mg/kg (sediment (fresh water)) 0.9168 mg/kg (sediment (fresh water)) 0.9168 mg/kg (sediment (fresh water)) 0.917 mg/l (water) 11 mg/l (water) 11 mg/l (water) 11 mg/kg (sediment (fresh water)) 0.11 mg/l (water) 0.11 mg/l (water) 1.1 mg/kg (sediment (fresh water)) 0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11 mg/kg (sodiment (rese water)) 0.0335 mg/l (water (rese water)) 0.033		DNEL	40.5 mg/m ³ (consumer) (chronic systemic effect)	
ral DNEL 0.44 mg/kg bw/day (consumer) (acute systematic effects) bnEL 1 mg/kg bw/day (consumer) (longterm systematic effects) 11 mg/kg bw/day (worker) (longterm systematic effects) 13.8 mg/m³ (consumer) (longterm systematic effects) 15.5 mg/m³ (worker) (longterm systematic effects) 15.5 mg/m³ (worker) (longterm systematic effects) NECS AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10,000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) PNEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 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 (fresh water)) 0.11 mg/l (water (fresh water)) 0.32 mg/kg (sediment (fresh water)) 0.32 mg/kg (sediment (sea water)) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11.1 mg/kg (food) PNEC 24 mg/k (sediment (fresh water)) 0.0335 mg/l (water (intermittent release)) 0.0335 mg/l (water (intermittent release)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (sediment (sea water))				
ermal DNEL 5.5 mg/kg bw/day (consumer) (longterm systematic effects) 11 mg/kg bw/day (worker) (longterm systematic effects) 11 mg/kg bw/day (worker) (longterm systematic effects) 15.5 mg/m³ (consumer) (longterm systematic effects) 15.5 mg/m³ (worker) (longterm systematic effects) NECS AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10.000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (fresh water)) 0.0168 mg/kg (sediment (fresh water)) 0.9168 mg/kg (sediment (fresh water)) 0.9168 mg/kg (sediment (sea water)) 0.9168 mg/kg (sediment (sea water)) 0.9168 mg/kg (sediment (sea water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/kg (sediment (fresh water)) 0.32 mg/kg (soil) 55 mg/kg (sediment (sea water)) 0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides rai PNEC 11.1 mg/kg (food) PNEC PNEC 11.1 mg/kg (food) PNEC 24 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water	CAS: 3080)62-28·	-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	
thalative DNEL 11 mg/kg bw/day (worker) (longterm systematic effects) 3.8 mg/m³ (consumer) (longterm systematic effects) NECs AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10.000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 112-34-5 2-(2-butoxyethoxy)ethanol PNEC 200 mg/l (STP) 11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (sea water)) 0.14 mg/kg (sediment (fresh water)) 0.32 mg/kg (sediment (fresh water)) 0.32 mg/kg (sediment (sea water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.32 mg/kg (water) 35 mg/l (water (fresh water)) 0.32 mg/kg (water) 35 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water	Oral	DNEL	0.44 mg/kg bw/day (consumer) (acute systematic effects)	
helative DNEL 3.8 mg/m³ (consumer) (longterm systematic effects) 15.5 mg/m³ (worker) (longterm systematic effects) NECs AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10,000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) PNEC 7.5 mg/kg (gro) 9NEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 112-34-5 2-(2-butoxyethoxy)ethanol PNEC PNEC 200 mg/l (STP) 11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.32 mg/kg (sediment (fresh water)) 0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11 mg/kg (food) PNEC PNEC 11.1 mg/kg (food) PNEC 24 mg/l (seege plant) 355 mg/l (water (intermittent release)) 0.0335 mg/l (water (intermittent release)) 0.0335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.524 mg/kg (sediment (sea wa	Dermal	DNEL	5.5 mg/kg bw/day (consumer) (longterm systematic effects)	
15.5 mg/m³ (worker) (longterm systematic effects) NECs AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10,000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) 0.024 mg/l (water (sea water)) PNEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 112-34-5 2-(2-butoxyethoxy)ethanol PNEC 200 mg/l (STP) 11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (sea water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.524 mg/kg (sediment (fresh water)) 0.52			11 mg/kg bw/day (worker) (longterm systematic effects)	
NECs AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10,000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) PNEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 112-34-5 2-(2-butoxyethoxy)ethanol PNEC PNEC 200 mg/l (Water (fresh water)) 1.1 mg/l (water (fresh water)) 1.1 mg/l (water (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11.1 mg/kg (food) PNEC 24 mg/l (sevage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (fresh water))	Inhalative	DNEL	3.8 mg/m ³ (consumer) (longterm systematic effects)	
NECs AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10,000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) PNEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 112-34-5 2-(2-butoxyethoxy)ethanol PNEC PNEC 200 mg/l (Water (fresh water)) 1.1 mg/l (water (fresh water)) 1.1 mg/l (water (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.44 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11.1 mg/kg (food) PNEC 24 mg/l (sevage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (fresh water))			15.5 mg/m³ (worker) (longterm systematic effects)	
AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts PNEC 10,000 mg/l (sewage plant) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) PNEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 112-34-5 2-(2-butoxyethoxy)ethanol PNEC 200 mg/l (STP) 11 mg/l (water (fresh water)) 0.11 mg/l (water (sea water)) 0.44 mg/kg (sediment (fresh water)) 0.32 mg/kg (soli) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea wate	PNECs			
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PNEC 7.5 mg/kg (gro) 0.9168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) AS: 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)) 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) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC PNEC 1.1 mg/l (water (fresh water)) 0.0335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.0335 mg/l (water (fresh water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)		0.24	t mg/l (water (fresh water))	
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0.32 mg/kg (soil) 56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11.1 mg/kg (food) PNEC 24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) 0.00335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)	PNEC	C 4.4 r	mg/kg (sediment (fresh water))	
56 mg/kg (water) AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11.1 mg/kg (food) PNEC 24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) PNEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)		0.44	⊧mg/kg (sediment (sea water))	
AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ral PNEC 11.1 mg/kg (food) PNEC 24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) PNEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)		0.32	? mg/kg (soil)	
ral PNEC 11.1 mg/kg (food) PNEC 24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) 0.00335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)				
PNEC 24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) 9NEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)				
335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) PNEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)			· ·	
0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) PNEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)	PNEC			
0.00335 mg/l (water (sea water)) PNEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)				
PNEC 5.24 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)				
0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)				
1.02 mg/kg (soil)	PNEC		· · · · · · · · · · · · · · · · · ·	
		0.52	!4 mg/kg (sediment (sea water))	
dditional information: The lists valid during the making were used as basis.		1.02	? mg/kg (soil)	
	Additiona	l infori	mation: The lists valid during the making were used as basis.	
2 Exposure controls				
dividual protection measures, such as personal protective equipment				
eneral protective and hygienic measures:				
he usual precautionary measures are to be adhered to when handling chemicals. (Contd. on pa	The usual	precau	itionary measures are to be adhered to when handling chemicals.	



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Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. **Respiratory protection:** Not required in normal cases **Hand protection** Not required in normal cases. **Eye/face protection** Safety glasses [EN 166]

SECTION 9: Phy	ysical and c	hemical pr	operties
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9.1 Information on basic physical and chemical pro	operties
General Information	
Physical state	Fluid
Colour:	Yellowish
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	6.5 - 7.5
Viscosity:	0.0 7.0
Kinematic viscosity at 40 °C	<20.5 mm²/s
Solubility	~20.0 milli /3
•	Fully missible
water: Portition coofficient n octonol/water (log volue)	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	1.00 1.00 m/cm3
Density at 20 °C:	$1.02 - 1.03 \text{ g/cm}^3$
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and	
environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
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
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Corrosive to metals Desensitised explosives

Void 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 further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

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: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts Oral LD50 >5,000 mg/kg (rat) Dermal LD 50 >5,000 mg/kg (rat) 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: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

Oral	LD50	1,064 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat)

 LC50 / 96 h
 2.67 mg/l (Pimephales promelas)

 Skin corrosion/irritation Based on available data, the classification criteria are not met.

 Serious eye damage/irritation Causes serious eye irritation.

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

 Oral
 NOAEL
 90 d 2 000 mg/kg (rat) (OECD 451)

orui	NOALL SU	
	NOAEL	2,000 mg/kg (rat) (OECD 451)
		88 mg/kg (rabbit) (OECD 408)
		25 mg/kg (Ratte)

11.2 Information on other hazards

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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None of the ingredients is listed.

12.1 Toxicity There are no ecotoxicological data available on this mixture. Aquatic toxicity: CAS: 68891-38.3 alcohols, C12-14, ethoxylated, sulfates, sodium salts CC0 >100 mg/l (Leuciscus idus) EC0 >100 mg/l (Scenedesmus subspicatus) > 10-100 mg/l (Daphnia magna) VCEC >1-1.1 mg/l (Leuciscus idus) > 10-100 mg/l (Daphnia magna) CCAS: 112-34-5 2-(2-butoxyethoxy)ethanol CC50 / 96h 1.300 mg/l (Daphnia magna) (CECD 203) EC50 / 96h 1.00 mg/l (Daphnia magna) (CECHA) EC50 / 96h 1.00 mg/l (Pseudokirchneriells subcapitata) (ECHA) EC50 / 21 0.01 mg/l (Pseudokirchneriells subcapitata) (OECD 201) CC50 / 22 0.42 mg/l (Pseudokirchneriells subcapitata) (OECD 201) CC50 / 24h 3.1 mg/l (Daphnia magna) (OECD 211) VOEC / 22d 0.067 mg/l (algae) CC50 / 24h 0.07 mg/l (Caphnia magna) (OECD 211) VOEC / 22d 0.067 mg/l (algae) CC50 / 24h 0.22 mg/l (Resudokirchneriella subcapitata) (OECD 201) VCEC / 72h 0.48 mg/l (Si (OECD 209) EC50 / 72h 0.48 mg/l (Si (OECD 209) EC50 / 72h 0.48 mg/l (Selenastrum capricornutum) VOEC / 72h 0.	SECTION	12: Ecological information
Aquatic toxicity:	12.1 Toxicity	There are no ecotoxicological data available on this mixture.
LC 50 >10-100 mg/ (Leuciscus idus) EC0 >100 mg/ (Csendesmus subspicatus) SC50 >10-100 mg/ (Lophnia magna) VOEC >1-11 mg/ (Leuciscus idus) >0-1-11 mg/ (Lephnia magna) CAS: 112-34-5 2-(2-butoxyethoxy)ethanol LC50/96h 1,300 mg/ (Leponinis macrochirus) (OECD 203) EC50/48h 1,101 mg/ (Pseudokirchneriella subcapitata) (ECHA) EC50/48h 1,101 mg/ (Pseudokirchneriella subcapitata) (ECHA) CAS: 300062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/ (Pseudokirchneriella subcapitata) (ECCD 201) NOEC 72h 0.43 mg/ (Cseudokirchneriella subcapitata) (OECD 201) NOEC 72h 0.73mg/ (Daphnia magna) EC50/47h 0.43 mg/ (Pseudokirchneriella subcapitata) (OECD 201) NOEC 72h 0.73mg/ (Csendashling) EC50/48h 0.007 mg/ (algae) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt EC50/47h 0.022 mg/ (Asphnia) EC50/47h 0.48 mg/ (KS) (OECD 209) EC50/47h 0.022 mg/ (Calability) for suffactants in detergents. CAS: 30062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegradation] 90 % CAS: 311-73-2 pyridine-2-thiol 1-oxide,		-
EC0 >100 mg/l (Pseudomonas putida) EC50 >100 mg/l (Scenedesmus subspicatus) >10-100 mg/l (Daphnia magna) NOEC >1-1 mg/l (Daphnia magna) CAS: 112-34-5 2-(2-butoxyethanol CC50/96h 1.300 mg/l (Daphnia magna) CAS: 112-34-5 2-(2-butoxyethanol CC50/96h 1.300 mg/l (Daphnia magna) EC50/48h >100 mg/l (Pseudokirchneriella subcapitala) (ECHA) EC50/48h >100 mg/l (Pseudokirchneriella subcapitala) (ECHA) CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Pseudokirchneriella subcapitala) (DECD 201) NOEC / 28d 0.067 mg/l (Daphnia magna) EC50/48h 31 mg/l (Daphnia magna) CS50/49ch 0.43 mg/l (Pseudokirchneriella subcapitala) (DECD 201) NOEC / 28d 0.067 mg/l (Cebrabarbling) EC50/48h 0.00767 mg/l (Zebrabarbling) EC50/49ch 0.022 mg/l (daphnia) C50/72h 0.48 mg/l (KS) (OECD 209)	CAS: 68891-	38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts
EC50 >100 mg/l (Scenedesmus subspicatus) >10-100 mg/l (Daphnia magna) NOEC >1-10 mg/l (Leuciscus idus) >0.1-11 mg/l (Daphnia magna) 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: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Piseudokirchneriella subcapitata) (ECCD 201) NOEC /240 1.143 mg/l (Daphnia magna) EC50 /48h 3.1 mg/l (Daphnia magna) EC50 /72h 0.143 mg/l (Piseudokirchneriella subcapitata) (OECD 201) NOEC /21d 0.7 mg/l (algae) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt C50 /96h 0.067 mg/l (selenastrum capricornutum) NOEC / 21b 0.46 mg/l (SS) (OECD 209) EC50 /72h 0.46 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.88 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.88 mg/l (Selenastrum capricornutum)	LC 50	>10-100 mg/l (Leuciscus idus)
>10-100 mg/l (Daphnia magna) >>1-10 mg/l (Leuciscus idus) >>0.11 mg/l (Daphnia magna) CAS: 112-34-5 2-(2-butoxyethoxy)ethanol LC50/96h 1.300 mg/l (Lepomis macrochirus) (OECD 203) EC50 1.101 mg/l (Pseudokirchneriella subcapitata) (ECHA) EC50 1.101 mg/l (Pseudokirchneriella subcapitata) (ECHA) CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Fimephales promelas) EC50/14h 3.1 mg/l (Daphnia magna) DC50/72h 0.143 mg/l (Pseudokirchneriella subcapitata) (OECD 201) NOEC /21 d 0.77 mg/l (Caphnia magna) DC50/74b 0.47 mg/l (Caphnia magna) DC50/72h 0.478 mg/l (KS) (OECD 201) NOEC /22 d 0.067 mg/l (Zebrabärbling) EC 20/3h 0.48 mg/l (KS) (OECD 209) EC 20/3h 1.81 mg/l (KS) (OECD 209) EC 20/3h 0.48 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.88 mg/l (Sele	EC0	>100 mg/l (Pseudomonas putida)
NOEC >1-10 mg/l (Leuciscus idus) >>0.1-1 mg/l (Daphnia magna) CAS: 112-34-5 2-(2-butoxyethoxy)ethanol CCS0/96h 1,300 mg/l (Lepomis macrochirus) (OECD 203) EC50/96h 1,300 mg/l (Daphnia magna) (ECHA) EC60/148h 1,101 mg/l (Pseudokrichneriella subcapitata) (ECHA) EC6228-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Pseudokrichneriella subcapitata) (OECD 201) NOEC 202 d 0.42 mg/l (Pseudokrichneriella subcapitata) (OECD 201) NOEC /21 d 0.7 mg/l (Daphnia magna) CC50/76h 0.143 mg/l (Rseudokrichneriella subcapitata) (OECD 201) NOEC /22d 0.067 mg/l (algae) CAS: 330627 28 pyridine-2-thiol 1-oxide, sodium salt CC50/76h 0.0767 mg/l (CeD 209) EC50/72h 0.48 mg/l (KS) (OECD 209) EC50/72h 0.46 mg/l (Selenastrum capricornutum) NOEC /22h 0.022 mg/l (daphnia) CC50/72h 0.48 mg/l (KS) (OECD 209) EC50/72h 0.48 mg/l (KS) (OECD 209) EC50/72h 0.46 mg/l (Selenastrum capricornutum) NOEC /22h 0.022 mg/l (daphnia) CAS: 33062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegrada	EC50	>100 mg/l (Scenedesmus subspicatus)
>0.1-1 mg/l (Daphnia magna) CAS: 112-34-5 2-2-butoxyethoxyjethanol CCS0/96h 1,300 mg/l (Lepomis macrochirus) (OECD 203) ECS0/48h >100 mg/l (Daphnia magna) (ECHA) ErC50 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA) ECS0/48h 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA) NOEC 302 d 0.42 mg/l (Piseudomonas putida) EC50/48h 3.1 mg/l (Daphnia magna) EC50/72h 0.143 mg/l (Pseudokirchneriella subcapitata) (OECD 201) NOEC /22d 0.067 mg/l (Algae) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt CC50/48h 0.00767 mg/l (Zebrabärbling) EC50/47h 0.48 mg/l (KS) (OECD 209) EC50/48h 0.022 mg/l (daphnia) EC50/48h 0.022 mg/l (daphnia) EC50/48h 0.022 mg/l (daphnia) EC50/72h 0.46 mg/l (Selenastrum capricornutum) NOEC / 72h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72h 0.98 mg/l (Selenastrum capricornutum) NOEC / 72h 0.98 mg/l (Selenastrum capricornutum) NOEC / 72h 0.98 mg/l (Selenastrum capricornutum) CAS: 33810-73-2 pyridi		>10-100 mg/l (Daphnia magna)
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol LC50 / 98h 1,300 mg/l (Lepomis macrochirus) (OECD 203) S100 mg/l (Daphnia magna) (ECHA) ECS0 / 48h 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA) CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Pimephales promelas) EC10 / 18h 2 mg/l (Pseudokirchneriella subcapitata) (OECD 201) NOEC / 22d 0.43 mg/l (Pseudokirchneriella subcapitata) (OECD 201) NOEC / 24d 0.067 mg/l (algae) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium satt LC50 / 48h 0.067 mg/l (Zebrabärbling) EC 20 / 3h 0.48 mg/l (KS) (OECD 209) EC 50/ 48h 0.00767 mg/l (Zebrabärbling) EC 20 / 3h 0.48 mg/l (Sc) (OECD 209) EC 50/ 48h 0.022 mg/l (daphnia) EC 50/ 48h 0.022 mg/l (daphnia) EC 50 / 48h 0.022 mg/l (selenastrum capricornutum) NOEC / 72h 0.46 mg/l (Selenastrum capricornutum) </td <td>NOEC</td> <td>>1-10 mg/l (Leuciscus idus)</td>	NOEC	>1-10 mg/l (Leuciscus idus)
LC50 / 96h 1,300 mg/l (Lepomis macrochirus) (OECD 203) FC50 1,101 mg/l (Daphnia magna) (ECHA) ECS0 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA) CAS: 308062-284-Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Pienephales promelas) EC10 / 18h 24 mg/l (Pseudomonas putida) EC50 / 24h 3.1 mg/l (Daphnia magna) EC50 / 24h 0.47 mg/l (Daphnia magna) (OECD 211) NOEC / 21d 0.7 mg/l (Daphnia magna) (OECD 211) NOEC / 24d 0.067 mg/l (algae) CAS: 338067 0.077 mg/l (Zebrabärbling) EC 20 / 3h 0.48 mg/l (KS) (OECD 209) EC 50 / 74h 0.46 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.76 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.76 mg/l (Selenastrum capricornutum) NOEC / 7		>0.1-1 mg/l (Daphnia magna)
EC50 / 48h >100 mg/l (Daphnia magna) (ECHA) FCS0 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA) CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides VOEC 302 d 0.42 mg/l (Pimephales promelas) EC10 / 18h 24 mg/l (Pseudokirchneriella subcapitata) (OECD 201) VOEC 302 d 0.42 mg/l (Daphnia magna) EC50 / 72h 0.143 mg/l (Daphnia magna) EC50 / 72h 0.17 mg/l (Daphnia magna) (OECD 211) NOEC / 22d 0.067 mg/l (algae) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt LC50 / 96h 0.00767 mg/l (Zebrabärbling) EC 20 / 3h 0.48 mg/l (KS) (OECD 209) EC50 / 72h 0.48 mg/l (Selenastrum capricornutum) VOEC / 72h 0.08 mg/l (Selenastrum capricornutum) (OECD 201) 122 Persistence and degradability for surface-active substances contained in the product meet the requirement of the EU Detregent Regul EC640 / 10r ultimate biodegradability for surfactants in detergents. CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegradation 970 % (activated sludge) (OECD 301 B) 12.3 Bioaccumulative potential CAS: 3311-73-2 pyridine-2-thiol 1-oxide, sodium salt Isodegradation 970 % (activated sludge) (OECD 301	CAS: 112-34	-5 2-(2-butoxyethoxy)ethanol
ErC50 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA) CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Pimephales promelas) EC10 / 18h 24 mg/l (Pseudokirchneriella subcapitata) (OECD 201) NOEC / 22h 0.143 mg/l (Daphnia magna) EC50 / 72h 0.143 mg/l (Pseudokirchneriella subcapitata) (OECD 201) NOEC / 22h 0.7 mg/l (Daphnia magna) (OECD 211) NOEC / 28d 0.067 mg/l (algae) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt LC50 / 96h 0.00767 mg/l (Zebrabärbling) EC 20 / 3h 0.48 mg/l (KS) (OECD 209) EC50/72h 0.46 mg/l (Selenastrum capricornutum) NOEC / 72h 0.48 mg/l (Selenastrum capricornutum) NOEC / 72h 0.40 mg/l (Selenastrum capricornutum) (OECD 201) 12.2 Persistence and degradability for surfactants in detergents. CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegradation >70 % (activated sludge) (OECD 301 B) 12.3 Bioaccumulative potential CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegradation >70 % (activated sludge) (OECD 301 B) 12.3 Bioaccumulative potential CAS: 308062-28-4 Amines, C12-14 (even numbered	LC50 / 96h	1,300 mg/l (Lepomis macrochirus) (OECD 203)
CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides NOEC 302 d 0.42 mg/l (Piseudomonas putida) EC10 / 18h 24 mg/l (Piseudomonas putida) EC50 / 24h 3.1 mg/l (Daphnia magna) EC50 / 24h 0.47 mg/l (Daphnia magna) EC50 / 24h 0.7 mg/l (Daphnia magna) EC50 / 21 d 0.7 mg/l (Daphnia magna) (OECD 211) NOEC / 21 d 0.707 mg/l (Japen) NOEC / 28d 0.067 mg/l (Algee) CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt LC50 / 96h 0.00767 mg/l (Zebrebärbling) EC 20 / 3h 0.48 mg/l (KS) (OECD 209) EC50 / 72h 0.46 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.90 % CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegradation 90 % CAS: 3801-73-2 pyridine-2-thiol 1-oxide, sodium salt Biodegradation >70 % (activated sludge) (OECD 301 B) 12.3 Bioaccumulative potential CAS: 380062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	EC50 / 48h	>100 mg/l (Daphnia magna) (ECHA)
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EC50 / 48h 0.022 mg/l (daphnia) EC50 / 72h 0.46 mg/l (Selenastrum capricornutum) NOEC / 72 h 0.08 mg/l (Selenastrum capricornutum) (OECD 201) 12.2 Persistence and degradability The surface-active substances contained in the product meet the requirement of the EU Detregent Regul (EC/648/2004) for ultimate biodegradability for surfactants in detergents. CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Biodegradation 90 % CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt Biodegradation >70 % (activated sludge) (OECD 301 B) 12.3 Bioaccumulative potential CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides og POW 2.7 CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt og FOW 2.7 CAS: 381-73-2 pyridine-2-thiol 1-oxide, sodium salt og FOW 2.7 CAS: 381-73-2 pyridine-2-thiol 1-oxide, sodium salt og Gow <-1.09 ((n-Octanol/Wasser) OECD 107)	EC 20 / 3h	0.48 mg/l (KS) (OECD 209)
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12.7 Other adverse effects

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Not classified as hazardous waste according to Annex III to Directive 2008/98/EC.

Recommendation Waste must be disposed of while observing the local, official regulations.

European waste catalogue

1) Disposal / product

2) Disposal / contaminated packaging

20 01 30 detergents other than those mentioned in 20 01 29

15 01 02 plastic packaging

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.	
14.7 Maritime transport in bulk according	y to IMO	
instruments	Not applicable.	
UN "Model Regulation":	Void	

<u>SECTION</u> 15: Regulatory information

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

Directive 2010/75/EU (VOC) not subject to Catégorie SEVESO (DIRECTIVE 2012/18/EU) not subject to

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 juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.



Safety data sheet according to 1907/2006/EC, Article 31

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15.2 Chemical safety assess	(Contd. of page Contd. of page sment: A Chemical Safety Assessment has not been carried out.
SECTION 16: Other info	ormation
This information is based on o	our present knowledge. However, this shall not constitute a guarantee for any
	shall not establish a legally valid contractual relationship.
Relevant phrases	
H302 Harmful if swallowed.	
H315 Causes skin irritation.	
H318 Causes serious eye dan	nage.
H319 Causes serious eve irrita	ation.
H332 Harmful if inhaled.	
H400 Very toxic to aquatic life	
H411 Toxic to aquatic life with	
H412 Harmful to aquatic life w	
-	Regulation (EC) No 1272/2008
	The classification of the mixture is generally based on the calculation method
	using substance data according to Regulation (EC) No 1272/2008.
Date of previous version: 12	
Version number of previous	version: 6.00
ATE: acute toxicity estimate ADR: Accord relatif au transport interna Carriage of Dangerous Goods by Road IMDG: International Maritime Code for 1 IATA: International Air Transport Assoc EINECS: European Inventory of Existin ELINCS: European List of Notified Che CAS: Chemical Abstracts Service (divis DNEL: Derived No-Effect Level (UK RE PNEC: Predicted No-Effect Concentrat LC50: Lethal concentration, 50 percent IDELV = indicative occupational exposed Acute Tox. 4: Acute toxicity – Category Skin Irrit. 2: Serious eye damage/eye i Eye Irrit. 2: Serious eye damage/eye i	ration efficient Classification and Labelling of Chemicals attional des marchandises dangereuses par route (European Agreement Concerning the International Dangerous Goods intoin g Commercial Chemical Substances mical Substances sion of the American Chemical Society) EACH) ion (UK REACH) ure limit values 4 ategory 2 irritation – Category 1 itation – Category 2
Aquatic Chronic 2: Hazardous to the aq	atic environment - acute aquatic hazard – Category 1 juatic environment - long-term aquatic hazard – Category 2 juatic environment - long-term aquatic hazard – Category 3 icus version alfered