

# 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	<b>ation of the substance</b> . e product ents	<b>f the substance or mixture and uses advi</b> / <b>the mixture</b> nolds / general public / consumers	ised against
		currently no information available on this.	
<b>1.3 Det</b> <b>Manufa</b> 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: <b>United</b> Anglo A 58 Holt Telepho	erp@sonax.de + +49 (0) 8431 53 217 <b>Kingdom:</b> American Oil Company L	td Frading Park, Poole, Dorset, BH16 6LT	
Europe United Membe	Kingdom: 0344 892 01	<b>9240</b> (Poison Centre Munich) I <b>11</b> (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.	
<b>Labelli</b> 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	<b>word</b> Warning I <b>statements</b> causes serious eye irritat <b>tionary statements</b>		
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<br/>Long-term value: 67.5 mg/m³, 10 ppmIOELV (EU)Short-term value: 101.2 mg/m³, 15 ppm<br/>Long-term value: 67.5 mg/m³, 10 ppmOEL (Ireland)Short-term value: 67.5 mg/m³, 10 ppm<br/>Long-term value: 67.5 mg/m³, 10 ppm<br/>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
Image         DNEL         15 mg/kg (VL)           ermal         DNEL         1,650 mg/kg (VL)           2,750 mg/kg (worker long-term)         DNEL         52 mg/m³ (vuc) (worker)           halative         DNEL         52 mg/m³ (worker long-term)           DNEL         17.57 mg/m³ (worker) (chronic systemic effect)           DNEL         5 mg/kg bw/day (consumer) (chronic systemic effect)           DNEL         15 mg/kg worker) (chronic systemic effect)           DNEL         16 mg/kg worker) (chronic systemic effect)           DNEL         16 mg/kg worker) (chronic systemic effect)           DNEL         10 mg/kg worker) (chronic systemic effect)           DNEL         10 mg/kg worker) (chronic locale effects)           DNEL         10 mg/kg bw/day (consumer) (acute systematic effects)           DNEL         10 mg/kg bw/day (consumer) (acute systematic effects)           DNEL         5 mg/m³ (consumer) (longterm systematic effects)           11 mg/kg bw/day (worker) (longterm systematic effects)           12 S 8 mg/m³ (consumer) (longterm systematic effects)           13 mg/m³ (worker) (longterm systematic effects)           15 mg/m³ (worker)         10 mg/kg (sediment (fresh water))           0.24 mg/l (water (fresh water))         0.24 mg/l (water (fresh water))           0.24 mg/l (water (fresh water))         0.		91-38-3	3 alcohols, C12-14, ethoxylated, sulfates, sodium salts	
halative         DNEL         52 mg/m² (VL)           DNEL         52 mg/m² (VL)           AS: 112-34-5 2-(2-butoxyethoxy)ethanol           Tal         DNEL         5 mg/kg bw/day (consumer) (chronic systemic effect)           DNEL         53 mg/ku/day (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (consumer) (chronic systemic effect)           DNEL         40.5 mg/m² (consumer) (chronic systemic effects)           AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides           raid         DNEL           JNEL         5.4 mg/kg bw/day (consumer) (congterm systematic effects)           AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides           raid         DNEL           JNEL         5.5 mg/m² (consumer) (longterm systematic effects)           1         1mg/kg bw/day (consumer) systematic effects)           15.5 mg/m² (worker) (longterm systematic effects)           NECs         55 68981-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts           PNEC         10.000 mg/l (sewage plant)           0.24 mg/l (water (fresh water))         0.3168 mg/kg (sediment (fresh water))           0.9168 mg/kg (sediment (fresh water			-	
halative         DNEL         52 mg/m² (VL)           DNEL         52 mg/m² (VL)           AS: 112-34-5 2-(2-butoxyethoxy)ethanol           Tal         DNEL         5 mg/kg bw/day (consumer) (chronic systemic effect)           DNEL         53 mg/ku/day (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (consumer) (chronic systemic effect)           DNEL         40.5 mg/m² (consumer) (chronic systemic effects)           AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides           raid         DNEL           JNEL         5.4 mg/kg bw/day (consumer) (congterm systematic effects)           AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides           raid         DNEL           JNEL         5.5 mg/m² (consumer) (longterm systematic effects)           1         1mg/kg bw/day (consumer) systematic effects)           15.5 mg/m² (worker) (longterm systematic effects)           NECs         55 68981-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts           PNEC         10.000 mg/l (sewage plant)           0.24 mg/l (water (fresh water))         0.3168 mg/kg (sediment (fresh water))           0.9168 mg/kg (sediment (fresh water	Dermal	DNEL	1,650 mg/kg (VL)	
halative       DNEL       52 mg/m² (vorker long-term)         AS: 112-34-5 2(2-butoxyethoxylethanol         rail       DNEL       5 mg/bw/day (consumer) (chronic systemic effect)         DNEL       85 mg/bw/day (consumer) (chronic systemic effect)         DNEL       55 mg/bw/day (consumer) (chronic systemic effect)         DNEL       67.5 mg/m² (worker) (chronic systemic effect)         DNEL       67.5 mg/m² (worker) (chronic systemic effect)         DNEL       67.5 mg/m² (worker) (chronic locale effects)         DNEL       67.5 mg/m² (worker) (chronic locale effects)         DNEL       10.5 mg/m² (consumer) (conglerm systematic effects)         DNEL       0.4 mg/kg bw/day (consumer) (angterm systematic effects)         11 mg/kg bw/day (worker) (longterm systematic effects)         15.5 mg/m² (worker) (longterm systematic effects)         16.5 mg/m² (worker) (longterm systematic effects)         17.5 mg/kg (ware) (longterm systematic effects)         16.5 mg/m² (worker) (longterm systematic effects)         0.024 mg/l (water (fresh water))         0.024 mg/l (water (sea water))         0.024 mg/l (water (fresh water))         0.024 mg/l (water (fresh water))         0.036 mg/kg (sediment (fresh water))         0.09168 mg/kg (sediment (fresh water))         0.09168 mg/kg (sediment (fresh water))				
DNEL         175 mg/m² (worker long-term)           AS: 112:34-5         2-(2-butoxyethoxy)ethanol           AS: 112:34-5         5-(2-butoxyethoxy)ethanol           PMEL         5 mg/kg bw/day (consumer) (chronic systemic effect)           DNEL         67.5 mg/m² (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (worker) (chronic systemic effect)           DNEL         67.5 mg/m² (consumer) (chronic systemic effect)           DNEL         40.5 mg/m² (consumer) (chronic locale effects)           DNEL         40.5 mg/m² (consumer) (acute systematic effects)           AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides           rail         DNEL         5.4 mg/kg bw/day (consumer) (acute systematic effects)           AS: 308062-28-4 Amines, C12-14, ethoxylated, sulfates, sodium salts         11 mg/kg bw/day (consumer) (longterm systematic effects)           NEC         5.5 mg/kg w/day (consumer) (longterm systematic effects)         15.5 mg/m² (worker) (longterm systematic effects)           NEC         3.8 mg/m² (consumer) (longterm systematic effects)         0.024 mg/k (water (resh water))           0.024 mg/k (water (resh water))         0.24 mg/k (water (sea water))         0.24 mg/kg (sediment (fresh water))           0.024 mg/k (water (resh water))         0.9168 mg/kg (sediment (fresh water))         0.9168 mg/kg (sediment (resh water))           0.9168 mg/kg	Inhalative	DNEL		
AS: 112-34-5 2-(2-butoxyethoxy)ethanol         ral       DNEL   5 mg/kg bw/day (consumer) (chronic systemic effect)         DNEL   5 mg/kg bw/day (consumer) (chronic systemic effect)         DNEL   5 mg/kg bw/day (consumer) (chronic systemic effect)         DNEL   67.5 mg/m <sup>2</sup> (worker) (chronic systemic effect)         DNEL   40.5 mg/m <sup>2</sup> (consumer) (chronic systemic effect)         DNEL   40.5 mg/m <sup>2</sup> (consumer) (chronic locale effects)         DNEL   5.5 mg/kg bw/day (consumer) (chronic locale effects)         DNEL   0.44 mg/kg bw/day (consumer) (acute systematic effects)         DNEL   5.5 mg/m <sup>2</sup> (consumer) (acute systematic effects)         DNEL   0.44 mg/kg bw/day (consumer) (acute systematic effects)         DNEL   0.44 mg/kg bw/day (consumer) (acute systematic effects)         DNEL   0.44 mg/kg bw/day (consumer) (longterm systematic effects)         DNEL   0.44 mg/kg bw/day (consumer)         DNEL   0.44 mg/kg bw/day (consumer)         DNEL   0.44 mg/kg (sedimet) (longterm systematic effects)         15.5 mg/m <sup>3</sup> (worker) (longterm systematic effects)         NECs         AS: 68891-38-3 alcohols, C12-14, ethoxylated, sulfates, sodium salts         PNEC   10.000 mg/ (severge plant)         0.24 mg/ (water (resh water))         0.024 mg/ (water (sea water))         0.24 mg/ (sediment (fresh water))         0.9168 mg/kg (sediment (fresh water))         0.				
ral DNEL 5 mg/kg bw/day (consumer) (chronic systemic effect) DNEL 63 mg/kg bw/day (consumer) (chronic systemic effect) DNEL 67.5 mg/m <sup>3</sup> (worker) (chronic systemic effect) DNEL 67.5 mg/m <sup>3</sup> (worker) (chronic systemic effect) DNEL 67.5 mg/m <sup>3</sup> (consumer) (chronic locale effects) DNEL 40.5 mg/m <sup>3</sup> (consumer) (chronic locale effects) DNEL 5.5 mg/kg bw/day (consumer) (acute systematic effects) DNEL 5.5 mg/kg bw/day (consumer) (longterm 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/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)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (sea water)) PNEC 7.5 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.09168 mg/kg (sediment (fresh water)) 0.011 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.11 mg/l (water (fresh water)) 0.44 mg/kg (sediment (fresh water)) 0.32 mg/kg (soil) PNEC 24 mg/kg (sediment (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 (sea water)) PNEC 4 mg/kg (sediment (fresh water)) 0.0335 mg/l (water (sea water)) PNEC 4 mg/kg (sediment (sea water)) 0.0335 mg/l (water (sea water)) PNEC 4 mg/kg (sediment (sea water)) 0.0335 mg/l (water (sea water)) 0.0335 mg/l (water (sea water)) 0.0345 mg/kg (soil)				
by Ell       50 mg/kg bw/day (consumer) (chronic systemic effect)         bhalative       DNEL       67.5 mg/m³ (worker) (chronic locale effects)         DNEL       40.5 mg/m³ (consumer) (chronic locale effects)         DNEL       40.5 mg/m³ (consumer) (chronic systemic effect)         DNEL       10.5 mg/m³ (consumer) (chronic locale effects)         AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         rai       DNEL       0.44 mg/kg bw/day (consumer) (longterm systematic effects)         in mmai       DNEL       5.5 mg/kg bw/day (consumer) (longterm systematic effects)         11 mg/kg bw/day (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)))         0.24 mg/l (water (sea water))       0.24 mg/l (water (sea water))         AS: 112-34-5 2-(2-butoxyethoxy)ethanol       11 mg/kg (sediment (fresh water))         0.9168 mg/kg (sediment (fresh water))       0.11 mg/l (water (sea water))         0.11 mg/l (water (sea water))       0.11 mg/l (water (sea water))         0.11 mg/l (water (sea water))       0.32 mg/kg (sediment (fresh water))         0.11 mg/l (water (fresh water))       0.11 mg/kg (sediment (fresh water))         0.11 mg/kg				
halative DNEL 67.5 mg/m <sup>3</sup> (worker) (chronic systemic effect) DNEL 67.5 mg/m <sup>3</sup> (worker) (chronic locale effects) DNEL 40.5 mg/m <sup>3</sup> (consumer) (chronic locale effects) <b>AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> ral DNEL 0.44 mg/kg bw/day (consumer) (acute systematic effects) <b>I</b> DNEL 0.44 mg/kg bw/day (consumer) (longterm systematic effects) <b>I</b> mg/kg bw/day (worker) (longterm systematic effects) <b>I</b> 1 mg/kg bw/day (worker) (longterm systematic effects) <b>I</b> 1 mg/kg bw/day (worker) (longterm systematic effects) <b>I</b> 1.5.5 mg/m <sup>3</sup> (worker) (longterm systematic effects) <b>I</b> 1.5.5 mg/m <sup>3</sup> (worker) (longterm systematic effects) <b>I</b> 1.5.5 mg/kg (worker) (longterm systematic effects) <b>I</b> 0.000 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 (fresh water)) 0.11 mg/l (water (sea water)) PNEC 200 mg/l (STP) <b>I</b> 1 mg/l (water (sea water)) PNEC 4.4 mg/kg (sediment (fresh water)) 0.11 mg/l (water (sea water)) 0.23 mg/kg (soli) 56 mg/kg (water) <b>AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> ral PNEC 24 mg/kg (soli) 56 mg/kg (soli) <b>S</b> 5 mg/kg (water) <b>AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> ral PNEC 24 mg/kg (soliment (fresh water)) 0.0335 mg/l (water (ifresh water)) 0.524 mg/kg (soliment (fresh water)) 0.524 mg/kg (solimen	Dermal	DNEL	83 mg/bw/day (worker) (chronic systemic effect)	
DNEL       67.5 mg/m³ (worker) (chronic locale effects)         DNEL       40.5 mg/m³ (consumer) (chronic locale effects)         AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         ral       DNEL         DNEL       0.44 mg/kg bw/day (consumer) (longterm systematic effects)         DNEL       0.44 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 (worker) (longterm systematic effects)         15.5 mg/m³ (worker) (longterm systematic effects)         15.5 mg/m³ (worker) (longterm systematic effects)         0.024 mg/l (water (fresh water))         0.024 mg/l (water (sea water))         0.024 mg/l (water (fresh water))         0.0168 mg/kg (sediment (fresh water))         0.09168 mg/kg (sediment (fresh water))         0.09168 mg/kg (sediment (fresh water))         0.11 mg/l (water (resh water))         0.11 mg/l (water (fresh water))         0.32 mg/kg (soil)         56 mg/kg (water)         AS: 308062-288-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         ral       PNEC         24 mg/kg (sediment (rese water))         0.32 mg/kg (soil)         56 mg/kg (water)         AS: 308062-		DNEL	50 mg/kg bw/day (consumer) (chronic systemic effect)	
DNEL       40.5 mg/m³ (consumer) (chronic systemic effect)         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) (longterm systematic effects)         ermal       DNEL       5.5 mg/kg bw/day (consumer) (longterm systematic effects)         11 mg/kg bw/day (worker) (longterm systematic effects)       15.5 mg/m³ (worker) (longterm systematic effects)         halative       DNEL       3.8 mg/m³ (consumer) (longterm systematic effects)         15.5 mg/m³ (worker) (longterm systematic effects)       15.5 mg/m³ (worker)         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))         0.24 mg/l (water (fresh water))       0.024 mg/l (water (sea water))         0.024 mg/l (g (go)       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         PNEC       2.4 mg/kg (sediment (fresh water))         0.11 mg/l (water (fresh water))       0.11 mg/l (water (fresh water))         0.32 mg/kg (soil)       5 mg/kg (soil)         S 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides<	Inhalative	DNEL	67.5 mg/m <sup>3</sup> (worker) (chronic systemic effect)	
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	67.5 mg/m³ (worker) (chronic locale effects)	
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 <sup>3</sup> (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 <sup>3</sup> (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			
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))         0.93168 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 (sea water))         0.11 mg/l (water (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 (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 (sea water))         0.524 mg/kg (sediment (sea water))		91-38-3	3 alcohols, C12-14, ethoxylated, sulfates, sodium salts	
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))           0.9168 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)))           PNEC           4.4 mg/kg (sediment (fresh water)))           0.11 mg/l (water (sea water)))           0.32 mg/kg (soil)           56 mg/kg (water)           AS: 308062-284 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 (sea 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)			-	
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))	
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))         0.11 mg/l (water (sea water))         0.44 mg/kg (sediment (fresh water))         0.32 mg/kg (sediment (sea water))         0.32 mg/kg (sediment (sea water))         0.56 mg/kg (water)         AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         ral       PNEC         11. mg/l (water (intermittent release))         0.0335 mg/l (water (fresh water))         0.0335 mg/l (water (sea 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)		0.02	?4 mg/l (water (sea water))	
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))         0.11 mg/l (water (sea water))         0.44 mg/kg (sediment (fresh water))         0.32 mg/kg (sediment (sea water))         0.32 mg/kg (sediment (sea water))         0.56 mg/kg (water)         AS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         ral       PNEC         11. mg/l (water (intermittent release))         0.0335 mg/l (water (fresh water))         0.0335 mg/l (water (sea 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)	PNE	C 7.5 I	mg/kg (gro)	
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)         0.11 mg/l (water (fresh water))       0.11 mg/l (water (sea water))         PNEC       4.4 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         11.1 mg/kg (food)         PNEC       24 mg/l (sewage plant)         335 mg/l (water (intermittent release))         0.0335 mg/l (water (fresh water))         0.0335 mg/l (water (fresh water))         0.524 mg/kg (sediment (sea water))         0.524 mg/kg (sediment (sea water))         1.02 mg/kg (soil)		0.91	68 mg/kg (sediment (fresh water))	
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/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 (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)		0.09	)168 mg/kg (sediment (sea water))	
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)         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))         0.00335 mg/l (water (sea 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)	CAS: 112-	34-5 2	-(2-butoxyethoxy)ethanol	
1.1 mg/l (water (fresh water))         0.11 mg/l (water (sea water))         0.11 mg/l (water (sea 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 (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)	PNE	C 200	mg/l (STP)	
0.11 mg/l (water (sea water))         PNEC         4.4 mg/kg (sediment (fresh water))         0.32 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 (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)		11 n	ng/l (water)	
PNEC4.4 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.32 mg/kg (soil) 56 mg/kg (water)AS: 308052-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxidesRalPNECPNEC11.1 mg/kg (food) PNECPNEC24 mg/l (sewage plant) 335 mg/l (water (intermittent release)) 0.0335 mg/l (water (fresh water)) 0.00335 mg/l (water (sea water)) 0.524 mg/kg (sediment (fresh water)) 0.524 mg/kg (sediment (sea water)) 1.02 mg/kg (soil)		1.1 r	mg/l (water (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 (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)		0.11	mg/l (water (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 (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
	(Contd. on page 6)
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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>&gt;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)
NOEC 302 d       0.42 mg/l (Pimephales promelas)         EC10 / 18h       24 mg/l (Pseudomonas putida)         EC50 / 72h       0.143 mg/l (Daphnia magna)         EC50 / 72h       0.17 mg/l (Daphnia magna) (OECD 211)         NOEC / 21 d       0.7 mg/l (Daphnia magna) (OECD 211)         NOEC / 21 d       0.7 mg/l (Daphnia magna) (OECD 211)         NOEC / 21 d       0.707 mg/l (Daphnia magna) (OECD 211)         NOEC / 21 d       0.067 mg/l (Zebrabärbling)         EC 20 / 3h       0.48 mg/l (KS) (OECD 209)         EC50 / 72h       0.48 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.48 mg/l (Selenastrum capricornutum)         Soloof0228-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	ErC50	1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA)
EC10 / 18h       24 mg/l (Pseudomonas putida)         EC50 / 48h       3.1 mg/l (Daphnia magna)         EC50 / 24h       0.143 mg/l (Pseudokirchneriella subcapitata) (OECD 201)         NOEC / 24d       0.067 mg/l (algae)         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         LC50 / 96h       0.00767 mg/l (Zebrabarbling)         EC 20 / 3h       0.48 mg/l (KS) (OECD 209)         EC50 / 72h       0.48 mg/l (KS) (OECD 209)         EC50 / 72h       0.48 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.96 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.98 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.98 mg/l (Selenastrum capricornutum)         Sologgradation   90 %       CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         Biodegradation   90 %       CAS: 308062-28-4 Amines, C12-1	CAS: 308062	-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides
EC50 / 48h       3.1 mg/l (Daphnia magna)         EC50 / 72h       0.143 mg/l (Pseudokirchneriella subcapitata) (OECD 201)         NOEC / 21d       0.7 mg/l (Daphnia magna) (OECD 211)         0.067 mg/l (algae)       0.067 mg/l (algae)         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt       0.067 mg/l (Zebrabärbling)         EC50 / 94h       0.027 mg/l (Zebrabärbling)         EC50 / 94h       0.022 mg/l (daphnia)         0.022 mg/l (daphnia)       0.046 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.46 mg/l (Selenastrum capricornutum)         NCE / 72 h       0.46 mg/l (Selenastrum capricornutum)         Statataccardit pol vistataccascastress		
EC50 / 72h       0.143 mg/l (Pseudokirchneriella subcapitata) (OECD 201)         NOEC / 21d       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	EC10 / 18h	
NOEC / 21 d       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)         CC 20 / 3h       0.48 mg/l (KS) (OECD 209)         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)         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: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         Biodegradation       >70 % (activated sludge) (OECD 301 B)         T2.3 Bioaccumulative potential       CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         CaS : 381-73-2 pyridine-2-thiol 1-oxide, sodium salt       Signed gradation         Biodegradation       >70 % (activated sludge) (OECD 301 B)         T2.3 Bioaccumulative potential       CAS: 381-73-2 pyridine-2-thiol 1-oxide, sodium salt         CaS : 381-73-2 pyridine-2-thiol 1-oxide, sodium salt       Signed gradation         Signe W       <-10.9 ((n-Oc	EC50 / 48h	
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       0.48 mg/l (KS) (OECD 209)         EC50 / 72h       0.48 mg/l (Selenastrum capricornutum)         NOEC / 72h       0.48 mg/l (Selenastrum capricornutum)         NOEC / 72h       0.48 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: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         Cag p OW   2.7       CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         Cag y Cow          <-10.9 ((n-Octanol/Wasser) OECD 107)		
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)         EC 50/3h       1.81 mg/l (KS) (OECD 209)         EC 50 / 48h       0.022 mg/l (daphnia)         EC 50 / 72h       0.46 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.46 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: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         Biodegradation       >70 % (activated sludge) (OECD 301 B)       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 POW] 2.7       CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         [og Kow] <-1.09 ((n-Octanol/Wasser) OECD 107)	NOEC / 21 d	0.7 mg/l (Daphnia magna) (OECD 211)
LC50 / 96h       0.00767 mg/l (Zebrabärbling)         EC 20 / 3h       0.48 mg/l (KS) (OECD 209)         EC 50/3h       1.81 mg/l (KS) (OECD 209)         EC 50 / 48h       0.022 mg/l (daphnia)         PC 50 / 72h       0.46 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.08 mg/l (Selenastrum capricornutum) (OECD 201)         12.2 Persistence and degradability       mapped 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)       112.3 Bioaccumulative potential         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt       12.3 Bioaccumulative potential         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt       12.3 Bioaccumulative potential         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt       12.3 Bioaccumulative potential         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt       12.4 Mobility in soil No further relevant information available.         12.3 Encoder data by PVB       2.7       12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.       12.4 Mobility in soil No fur	NOEC / 28d	0.067 mg/l (algae)
EC 20 / 3h       0.48 mg/l (KS) (OECD 209)         EC50/3h       1.81 mg/l (KS) (OECD 209)         EC50/7h       0.022 mg/l (daphnia)         0.22 mg/l (daphnia)       0.46 mg/l (Selenastrum capricornutum) (OECD 201)         NDEC / 72 h       0.08 mg/l (Selenastrum capricornutum) (OECD 201) <b>11.2 Persistence and degradability</b> 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. <b>CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> Biodegradation 90 % <b>CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt</b> Biodegradation >70 % (activated sludge) (OECD 301 B) <b>12.3 Bioaccumulative potential CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> log POW 2.7 <b>CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> log FOW 2.7 <b>CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> log Kow        <-1.09 ((n-Octanol/Wasser) OECD 107)	CAS: 3811-7	
EC50/3h       1.81 mg/l (KS) (OECD 209)         EC50/48h       0.022 mg/l (daphnia)         DC50/72h       0.46 mg/l (Selenastrum capricornutum) (OECD 201)         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: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         (og FOW)       2.7         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         (og Gow)       <-1.09 ((n-Octanol/Wasser) OECD 107)	LC50 / 96h	0.00767 mg/l (Zebrabärbling)
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)
EC50 / 72h       0.46 mg/l (Selenastrum capricornutum)         NOEC / 72 h       0.08 mg/l (Selenastrum capricornutum) (OECD 201) <b>12.2 Persistence and degradability</b> 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. <b>CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> Biodegradation   90 % <b>CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt</b> Biodegradation   >70 % (activated sludge) (OECD 301 B) <b>12.3 Bioaccumulative potential CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> Biodegradation   >70 % (activated sludge) (OECD 301 B) <b>12.3 Bioaccumulative potential CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</b> log POW   2.7 <b>CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt</b> log Kow   <-1.09 ((n-Octanol/Wasser) OECD 107)	EC50/3h	1.81 mg/l (KS) (OECD 209)
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         Biodegradation       >70 % (activated sludge) (OECD 301 B)         12.3 Bioaccumulative potential         CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         log POW       2.7         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         log Kow       <-1.09 ((n-Octanol/Wasser) OECD 107)	EC50 / 48h	0.022 mg/l (daphnia)
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         Biodegradation       >70 % (activated sludge) (OECD 301 B)         12.3 Bioaccumulative potential         CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         Biog POW       2.7         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         Biog Kow       <-1.09 ((n-Octanol/Wasser) OECD 107)		
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 log POW   2.7 CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt log Kow   <-1.09 ((n-Octanol/Wasser) OECD 107) 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 According to the current state of scientific knowledge, there is no data for the product regarding endocrine		
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         log POW       2.7         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         log Kow       <-1.09 ((n-Octanol/Wasser) OECD 107)	The surface-a ( EC/648/200	active substances contained in the product meet the requirement of the EU Detregent Regul 4 ) for ultimate biodegradability for surfactants in detergents.
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12.3 Bioaccumulative potential         CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides         log POW       2.7         CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         log Kow       <-1.09 ((n-Octanol/Wasser) OECD 107)		
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CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt         log Kow       <-1.09 ((n-Octanol/Wasser) OECD 107)		
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<b>12.4 Mobility in soil</b> No further relevant information available. <b>12.5 Results of PBT and vPvB assessment</b> <b>PBT:</b> According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as PBT <b>vPvB:</b> According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as vPvB <b>12.6 Endocrine disrupting properties</b> According to the current state of scientific knowledge, there is no data for the product regarding endocrine		
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According to the current state of scientific knowledge, there is no data for the product regarding endocrin	vPvB:	
	<b>vPvB:</b> According to c classified as	



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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.



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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 <b>icus version alfered</b>