

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

Printing date 08.05.2020

Version: 6.00

Revision: 11.12.2019

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** SONAX Shampoo**Article number:**

06005000, 06006000, 06007050, 06008000

**UFI:** F0R3-Y08P-D00T-GKUE**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category** PC35 Washing and cleaning products (including solvent based products)**Application of the substance / the mixture** Car care product**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

SONAX GmbH

Münchener Straße 75

D-86633 Neuburg (Donau)

Tel.: ++49 (0)8431/53-0

**Further information obtainable from:**

Product safety

E-mail: erp@sonax.de

Phone: + +49 (0) 8431 53 217

**1.4 Emergency telephone number:** Emergency Phone Munich Tel.: +49 (0)89 19240**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin Sens. 1A H317 May cause an allergic skin reaction.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS07

**Signal word** Warning**Hazard-determining components of labelling:**

2-methylisothiazol-3(2H)-one

**Hazard statements**

H317 May cause an allergic skin reaction.

**Precautionary statements**

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Aqueous tenside solution.

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<b>Dangerous components:</b>		
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	3-<5%
CAS: 147170-44-3 EC No 931-333-8 Reg.nr.: 01-2119489410-39-xxxx	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts Alternative CAS number: 61789-40-0 Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 4 % ≤ C < 10 %	1-<3%
CAS: 308062-28-4 EC No 931-292-6 Reg.nr.: 01-2119490061-47-xxxx	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides Alternative CAS number: 70592-80-2 Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	<1%
CAS: 2682-20-4 EINECS: 220-239-6 Reg.nr.: 01-2120764690-50-xxxx	2-methylisothiazol-3(2H)-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.01%
<b>Regulation (EC) No 648/2004 on detergents / Labelling for contents</b>		
amphoteric surfactants, non-ionic surfactants		<5%
perfumes, limonene, linalool, methylisothiazolinone, benzisothiazolinone, sodium pyrithione		
<b>Additional information:</b> For the wording of the listed hazard phrases refer to section 16.		

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Remove soiled clothing

**After inhalation:** Supply fresh air.

**After skin contact:**

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

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. 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

sensitization

Allergic reactions

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### 5.3 Advice for firefighters

**Protective equipment:** The normal measures for firefighting are to be taken.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

### 6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

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

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### 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 item 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.

**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/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

IOELV (EU)

Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

### Regulatory information

WEL (Great Britain): EH40/2018

IOELV (EU): (EU) 2017/164

### DNELs

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

Oral DNEL 5 mg/kg bw/day (consumer) (chronic systemic effect)

Dermal DNEL 83 mg/kg bw/day (worker) (chronic systemic effect)

DNEL 50 mg/kg bw/day (consumer) (chronic systemic effect)

Inhalative 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 systemic effect)

DNEL 40.5 mg/m<sup>3</sup> (consumer) (chronic locale effects)

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

Oral DNEL 7.5 mg/kg (consumer) (longterm systematic effects)

Dermal DNEL 7.5 mg/kg (consumer) (longterm systematic effects)

12.5 mg/kg (worker) (longterm systematic effects)

Inhalative DNEL 44 mg/m<sup>3</sup> (worker) (longterm systematic effects)

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

Oral DNEL 0.44 mg/kg bw/day (consumer) (longterm / systemic effects)

Dermal DNEL 5.5 mg/kg bw/day (consumer) (longterm / systemic effects)

11 mg/kg bw/day (worker) (longtime / systemic effects)

Inhalative DNEL 1.53 mg/m<sup>3</sup> (consumer) (longterm / systemic effects)

6.2 mg/m<sup>3</sup> (worker) (longterm / systemic effects)

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

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

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

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

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

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

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

**8.2 Exposure controls****Suitable technical control devices**

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

**Personal protective equipment:****General protective and hygienic measures:**

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

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Respiratory protection:**

Not required in normal cases

Ensure good ventilation/exhaustion at the workplace.

**Protection of hands:** Protective gloves

**Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

[EN 374]

**Penetration time of glove material** Value for the permeation: Level 6 ( $\geq 480$  min)

**Eye protection:** Not required in normal cases

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellow

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<b>Odour:</b>	Citrus
<b>Odour threshold:</b>	Not determined.
<b>pH-value at 20 °C:</b>	8.5 - 9.5
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	100 - 234 °C
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density at 20 °C:</b>	1.04 - 1.06 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Fully miscible.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Flow time at 20 °C</b>	10 - 15 s (DIN EN ISO 2431/4mm)
<b>9.2 Other information</b>	No further relevant information available.

### 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 toxicological effects** There are no toxicological findings on this mixture.  
**Acute toxicity** Based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

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

Oral	LD50	2,410 mg/kg (mouse) (ECHA)
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Dermal	LD50	2,764 mg/kg (rabbit) (ECHA)
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##### CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
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Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
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##### CAS: 308062-28-4 Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

Oral	LD50	1,064 mg/kg (rat)
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#### Primary irritant effect:

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

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**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Repeated dose toxicity****CAS: 112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	NOAEL	250 mg/kg (rat) (ECHA)
Inhalative	NOAEC	0.094 mg/m <sup>3</sup> (Ratte) (OECD 413)

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

Oral	NOAEL	88 mg/kg (rat) (subchronic effects)
Dermal	LOAEL	0.045 mg/cm <sup>2</sup> (mouse) (subchronic effects)

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

None of the ingredients are known to have effects which are carcinogenic, mutagenic or harmful to reproduction.

**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.**SECTION 12: Ecological information****12.1 Toxicity** There are no ecotoxicological data available on this mixture.**Aquatic toxicity:****CAS: 112-34-5 2-(2-butoxyethoxy)ethanol**

LC50 / 96h	1,300 mg/l (Lepomis macrochirus) (OECD 203)
EC50 / 48h	>100 mg/l (Daphnia magna) (ECHA)
ErC50	1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA)

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

LC 50	>1-10 mg/l (Pimephales promelas) (OECD 203)
EC0	>100 mg/l (Pseudomonas putida) (OECD 209)
EC50	>1-10 mg/l (Daphnia magna) (OECD 202)
	>1-10 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC	≤1 mg/l (Oncorhynchus mykiss) (OECD210)
	≤1 mg/l (Daphnia magna) (OECD 211)

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

LC50 / 96h	2.67 mg/l (fish)
EC50	3.1 mg/l (waterflea /Wasserfloh)
IC 50	0.143 mg/l (seaweed (Seegrass))

**CAS: 2682-20-4 2-methylisothiazol-3(2H)-one**

EC 20 / 3h	2.8 mg/l (activated sludge) (DIN 38412-3 (TTC-Test))
EC50/3h	34.6 mg/l (activated sludge) (DIN 38412-3 (TTC-Test))

**12.2 Persistence and degradability**

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

**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

The product may not be released into the environment without control.

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

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**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation** Waste must be disposed of while observing the local, official regulations.**European waste catalogue**

1) Disposal / product

2) Disposal / contaminated packaging

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

15 01 02 | plastic packaging

**SECTION 14: Transport information****14.1 UN-Number****ADR, IMDG, IATA** Void**14.2 UN proper shipping name****ADR, IMDG, IATA** Void**14.3 Transport hazard class(es)****ADR, ADN, IMDG, IATA****Class** Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:****Marine pollutant:** No**14.6 Special precautions for user** Not applicable.**UN "Model Regulation":** Void**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:**

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning juveniles must be observed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

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

**Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

**Classification according to Regulation (EC) No 1272/2008**

Skin sensitisation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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**Abbreviations and acronyms:**

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

Acute Tox. 3: Acute toxicity - oral – Category 3

Acute Tox. 4: Acute toxicity - oral – Category 4

Acute Tox. 2: Acute toxicity - inhalation – Category 2

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1A: Skin sensitisation – Category 1A

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Version history and indication of changes: Replaces version 5.05.****\* Data compared to the previous version altered.**

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