

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

Printing date 29.10.2020

Version: 4.00

Revision: 10.10.2017

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

1.1 Product identifier

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

Article number: 874400

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

Sector of Use

SU21 Consumer uses: Private households / general public / consumers

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

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

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



GHS02

Signal word Danger

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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: Formulation consisting of pressurised gas and alcohol-tenside-water mixture

(Contd. on page 2)

Safety data sheet
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Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 1)

Dangerous components:		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol ----- ☠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	< 5%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-xxxx	1-Methoxy-2-propanol ----- ☠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	< 5%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	< 5%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane ----- ☠ Flam. Gas 1, H220; Press. Gas (Comp.), H280	< 5%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane ----- ☠ Flam. Gas 1, H220; Press. Gas (Comp.), H280	< 5%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14-xxxx	ammonia 25% ----- ☠ Skin Corr. 1B, H314; ☠ Aquatic Acute 1, H400; ⚠ STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	<1.0%
Regulation (EC) No 648/2004 on detergents / Labelling for contents		
aliphatic hydrocarbons		≥5 - <15%
perfumes		

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Remove soiled clothing

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Generally the product does not irritate the skin.

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.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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:

Water haze

Foam

Carbon dioxide

Fire-extinguishing powder

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

(Contd. on page 3)

GB

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

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Version: 4.00

Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 2)

Do not enter the hazardous area without a self-contained breathing apparatus.
See Section 8 for information on personal protection equipment.

Additional information

Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation
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:

Ensure adequate ventilation.
Absorb liquid components with liquid-binding material.
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 Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Highly volatile, flammable constituents are released during processing.

Do not spray onto a naked flame or any incandescent material.



Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.
Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store receptacle in a well ventilated area.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
Protect from heat and direct sunlight.
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: 64-17-5 ethanol
WEL (Great Britain) Long-term value: 1920 mg/m ³ , 1000 ppm

(Contd. on page 4)

-GB

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

Printing date 29.10.2020

Version: 4.00

Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 3)

CAS: 107-98-2 1-Methoxy-2-propanol

WEL (Great Britain)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk
IOELV (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

WEL (Great Britain)	Long-term value: 308 mg/m ³ , 50 ppm Sk
IOELV (EU)	Long-term value: 308 mg/m ³ , 50 ppm Skin

CAS: 106-97-8 butane

WEL (Great Britain)	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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DNELs

CAS: 64-17-5 ethanol

Oral	DNEL	87 mg/kg (consumer) (long-term exposure - systemic effects)
Dermal	DNEL	206 mg/kg bw/day (consumer) (long-term exposure - systemic effects)
		343 mg/kg bw/day (worker) (lon-term exposure - systemic effects)
Inhalative	DNEL	950 mg/m ³ (consumer) (acute short-tem exposure - local effects)
		114 mg/m ³ (consumer) (long-term exposure - systemic effects)
		1900 mg/m ³ (worker) (acute short-tem exposure - local effects)
		950 mg/m ³ (worker) (long-term exposure - systemic effects)

CAS: 107-98-2 1-Methoxy-2-propanol

Oral	DNEL	3.3 mg/kg (consumer) (long-term / systemic effects)
Dermal	DNEL	18.1 mg/kg (consumer) (long-term / systemic effects)
		50.6 mg/kg (worker) (long-term / systemic effects)
Inhalative	DNEL	43.9 mg/m ³ (consumer) (long-term / systemic effects)
		553.5 mg/m ³ (worker) (short-term / local effects)
		369 mg/m ³ (worker) (long-term / systemic effects)

PNECs

CAS: 64-17-5 ethanol

PNEC	3.6 mg/kg (sediment (fresh water))
	2.9 mg/kg (sediment (sea water))
	0.63 mg/kg (soil)
	0.96 mg/l (water (fresh water))
	0.79 mg/l (water (sea water))

CAS: 107-98-2 1-Methoxy-2-propanol

PNEC	100 mg/l (STP)
	2.47 mg/kg (gro)
	41.6 mg/kg (sediment (fresh water))
	4.17 mg/kg (sediment (sea water))
	100 mg/l (water (intermittent release))
	10 mg/l (water (fresh water))
	1 mg/l (water (sea water))

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

8.2 Exposure controls

Suitable technical control devices

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

(Contd. on page 5)

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

Printing date 29.10.2020

Version: 4.00

Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 4)

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

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

Filter A/P2

[DIN EN 14387]

Protection of hands: Not required in normal cases.**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:**

Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

Important information on protection of health and environment, and on safety.

data of the content without propellant

pH-value at 20 °C: 10.0 - 10.5**Change in condition**

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	78 - 195 °C

Flash point: 55 °C (DIN 51755)**Flammability (solid, gas):** Not applicable.**Decomposition temperature:** Not determined.**Auto-ignition temperature:** Product is not selfigniting.

Explosive properties: Not determined.
In use, may form flammable/explosive vapour-air mixture.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure: Not determined.**Density at 20 °C:** 0.99 - 1.00 g/cm³**Relative density** Not determined.**Vapour density** Not determined.**Evaporation rate** Not applicable.**Solubility in / Miscibility with water:**

Fully miscible.

Partition coefficient: n-octanol/water: Not determined.**Viscosity:****Flow time at 20 °C** 10 - 15 s (DIN EN ISO 2431/4mm)**Dynamic:** Not determined.**Kinematic:** Not determined.**9.2 Other information** No further relevant information available.

GB

(Contd. on page 6)

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

Printing date 29.10.2020

Version: 4.00

Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 5)

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** Develops readily flammable gases/fumes.**10.4 Conditions to avoid**

An increase in pressure may lead to bursting.

Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Keep ignition sources away - Do not smoke.

See Section 7 for information on safe handling.

10.5 Incompatible materials: strong oxidizing agents**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: 64-17-5 ethanol**

Oral	LD50	10470 mg/kg (rat) (OECD 401)
Inhalative	LC50/4h	116.9 mg/l (rat) (OECD 403)

CAS: 107-98-2 1-Methoxy-2-propanol

Oral	LD50	4016 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC0 / 6h	>7000 ppm (rat)

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

Oral	LD50	5135 mg/kg (rat)
Dermal	LD50	13000-14000 mg/kg (rabbit)
Inhalative	LC50 / 7h	>500 mg/l (rat)

CAS: 106-97-8 butane

Inhalative	LC50/4h	658 mg/l (rat)
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CAS: 1336-21-6 ammonia 25%

Oral	LD50	350 mg/kg (rat)
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Primary irritant effect:**Skin corrosion/irritation**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Serious eye damage/irritation

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Respiratory or skin sensitisation

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

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.

GB

(Contd. on page 7)

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

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Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 6)

SECTION 12: Ecological information**12.1 Toxicity** There are no ecotoxicological data available on this mixture.**Aquatic toxicity:****CAS: 64-17-5 ethanol**

EC50 / 48h	5012 mg/l (Ceriodaphnia Dubia)
ErC 50 / 72h	275 mg/l (Chlorella vulgaris) (OECD 201)
LC 50 / 96 h	14200 mg/l (Pimephales promelas)
NOEC / 9 d	9.6 mg/l (Daphnia magna)

CAS: 107-98-2 1-Methoxy-2-propanol

EC50	>1000 mg/l (Pseudokirchneriella subcapitata) (7d)
EC50/3h	>1000 mg/l (activated sludge) (OECD 209)
LC 50 / 96 h	>6800 mg/l (Leuciscus idus) (DIN38412)
LC50 / 48h	23300 mg/l (Daphnia magna)

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

EC50 / 48h	1.919 mg/l (daphnia)
EC50 / 96 h	>969 mg/l (Selenastrum capricornutum)
LC 50 / 96 h	>10000 mg/l (Pimephales promelas)

CAS: 1336-21-6 ammonia 25%

EC50 / 48h	25.4 mg/l (Daphnia magna)
LC 50 / 96 h	0.16-1.1 mg/l (Oncorhynchus mykiss)

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.

CAS: 107-98-2 1-Methoxy-2-propanol

Biodegradation 90 - 100 % (OECD 301E)

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

Biodegradation 93 % (13d (OECD 302 B))

12.3 Bioaccumulative potential**CAS: 107-98-2 1-Methoxy-2-propanol**

log Kow -0.43 log Kow (25°C)

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

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

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**

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

Recommendation Waste must be disposed of while observing the local, official regulations.**European waste catalogue**

Disposal / product + Disposal / contaminated packaging

15 01 10* packaging containing residues of or contaminated by dangerous substances

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

Printing date 29.10.2020

Version: 4.00

Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 7)

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR
IMDG
IATA

1950 AEROSOLS
AEROSOLS
AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR



Class
Label

2 5F Gases.
2.1

IMDG, IATA



Class
Label

2.1
2.1

14.4 Packing group
ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Warning: Gases.

**14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code**

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)

1L

Transport category

2

Tunnel restriction code

D

UN "Model Regulation":

UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

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

European Directives:

EC/1907/2006 (REACH)

EC/1272/2008 (CLP)

EC/648/2004

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.

GB

(Contd. on page 9)

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

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Version: 4.00

Revision: 10.10.2017

Trade name: SONAX PROFESSIONAL UNIVERSAL FOAM CLEANER

(Contd. of page 8)

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

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

Classification according to Regulation (EC) No 1272/2008

Aerosols | On basis of test data

Abbreviations and acronyms:

NOEL = No Observed Effect Level
NOEC = No Observed Effect Concentration
LC = lethal 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
Flam. Gas 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

* **Data compared to the previous version altered.**