

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

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

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

1.1 Product identifier

Trade name: SONAX MULTI CLEANING FOAM

Article number: 04803000

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)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(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 %	3 - <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	1 - <3%
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	1 - <3%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280	1 - <3%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane ⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280	1 - <3%
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 %	< 0.25%

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

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

(Contd. on page 3)

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

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 2)

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

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

Keep away from ignition sources.

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:



Keep ignition sources away - Do not smoke.

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

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

Highly volatile, flammable constituents are released during processing.

Fumes can combine with air to form an explosive mixture.

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.

GB

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 3)

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/m³, 1000 ppm

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

WEL (Great Britain) Short-term value: 560 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

Sk

IOELV (EU)

Short-term value: 568 mg/m³, 150 ppm

Long-term value: 375 mg/m³, 100 ppm

Skin

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

WEL (Great Britain) Long-term value: 308 mg/m³, 50 ppm

Sk

IOELV (EU)

Long-term value: 308 mg/m³, 50 ppm

Skin

CAS: 106-97-8 butane

WEL (Great Britain) Short-term value: 1810 mg/m³, 750 ppm

Long-term value: 1450 mg/m³, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

Regulatory information WEL (Great Britain): EH40/2011

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) (long-term exposure - systemic effects)

Inhalative DNEL 950 mg/m³ (consumer) (acute short-term exposure - local effects)

1900 mg/m³ (worker) (acute short-term exposure - local effects)

DNEL 114 mg/m³ (consumer) (long-term exposure - systemic effects)

950 mg/m³ (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/m³ (consumer) (long-term / systemic effects)

553.5 mg/m³ (worker) (short-term / local effects)

DNEL 369 mg/m³ (worker) (long-term / systemic effects)

CAS: 1336-21-6 ammonia 25%

Dermal DNEL 6.8 mg/kg (worker) (chronic systemic effect)

Inhalative DNEL 47.6 mg/m³ (worker) (chronic systemic effect)

PNECs

CAS: 64-17-5 ethanol

PNEC 0.96 mg/l (water (fresh water))

0.79 mg/l (water (sea water))

PNEC 3.6 mg/kg (sediment (fresh water))

2.9 mg/kg (sediment (sea water))

0.63 mg/kg (soil)

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

PNEC 100 mg/l (STP)

100 mg/l (water (intermittent release))

(Contd. on page 5)

GB

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

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 4)

PNEC	10 mg/l (water (fresh water))
	1 mg/l (water (sea water))
	2.47 mg/kg (gro)
	41.6 mg/kg (sediment (fresh water))
	4.17 mg/kg (sediment (sea water))
CAS: 1336-21-6 ammonia 25%	
PNEC	0.007 mg/l (water)
	0.001 mg/l (water (fresh water))
	0.001 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.

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:	Alcohol-like
Odour threshold:	Not determined.

pH-value at 20 °C:	10.0 - 10.5 (Active ingredient data)
---------------------------	--

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	78 - 195 °C (Active ingredient data)

Flash point:	55 °C (DIN 51755) (Active ingredient data)
---------------------	--

Flammability (solid, gas):	Not applicable.
-----------------------------------	-----------------

Decomposition temperature:	Not determined.
-----------------------------------	-----------------

Auto-ignition temperature:	Not determined.
-----------------------------------	-----------------

Explosive properties:	In use, may form flammable/explosive vapour-air mixture.
------------------------------	--

Explosion limits:

Lower:	1,5 Vol.% (Propellant data)
Upper:	10,9 Vol.% (Propellant data)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 5)

Vapour pressure:	Not determined.
Density at 20 °C:	0.99 - 1.00 g/cm ³ (Active ingredient data)
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) (Active ingredient data)
9.2 Other information	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 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

strong acids

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	5560 mg/kg (guinea pig)
		3450 mg/kg (mouse)
		7060 mg/kg (rat)
		6300 mg/kg (rabbit)

Dermal LD50 >2000 mg/kg (rat)

Inhalative LC50/4d 20000 mg/l (rat)

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: 106-97-8 butane

Inhalative LC50/4d 658 mg/l (rat)

CAS: 1336-21-6 ammonia 25%

Oral LD50 350 mg/kg (rat)

Primary irritant effect:

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

(Contd. on page 7)

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

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 6)

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

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Repeated dose toxicity

CAS: 64-17-5 ethanol

Oral	LOAEL	3160 mg/kg (rat)
	NOAEL	1730 mg/kg (rat)

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: 64-17-5 ethanol

LC50 / 48h	8140 mg/l (Leuciscus idus)
LC50 / 24h	>100 mg/l (Daphnia magna)
EC5 / 16h	6500 mg/l (Pseudomonas putida)
EC50 / 48h	9268 mg/l (Daphnia magna)

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

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

CAS: 1336-21-6 ammonia 25%

LC50 / 96h	3.4 mg/l (fish)
EC 50 / 18d	2700 mg/l (algae)
EC50 / 48h	25.4 mg/l (Daphnia magna)

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)
----------------	------------------------

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.

GB

(Contd. on page 8)

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

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 7)

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 hazardous substances

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR



Class

2 5F Gases.

Label

2.1

IMDG, IATA



Class

2.1

Label

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":

UN 1950 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

(Contd. on page 9)

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

Printing date 29.10.2020

Version: 1.01

Revision: 21.04.2020

Trade name: SONAX MULTI CLEANING FOAM

(Contd. of page 8)

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

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

Version history and indication of changes: Replaces version 1.00.