

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SONAX Foam Upholstery Cleaner**Article number:** 306200, 306400**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 preparation** 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**

GHS02 flame

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

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

F+; Extremely flammable

R12: Extremely flammable.

Information concerning particular hazards for human and environment: Warning! Pressurized container.**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/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurised container: Do not pierce or burn, even after use.

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

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 aqueous tenside solution

(Contd. on page 2)

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Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 1)

Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	5-10%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-XXXX	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	5-10%
CAS: 74-98-6 EINECS: 200-827-9	propane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	< 5%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol Xi R36; F R11 R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	< 5%
CAS: 75-28-5 EINECS: 200-857-2	isobutane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	< 5%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14-xxxx	ammonia 25% C R34; N R50 Met. Corr. 1, H290; Skin Corr. 1B, H314; Aquatic Acute 1, H400; STOT SE 3, H335	<1.0%
CAS: 78-78-4 EINECS: 201-142-8	isopentane Xn R65; F+ R12; N R51/53 R66-67 Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	<1.0%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons	5 - 15%
perfumes, methylisothiazolinone, benzisothiazolinone	

Additional information: For the wording of the listed risk 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)

(Contd. on page 3)

Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 2)

5.3 Advice for firefighters**Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

Wear fully protective suit.

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.

Keep ignition sources away - Do not smoke.

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

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 pressurized 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:****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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34590-94-8 (2-methoxymethylethoxy)propanol

WEL (Great Britain)	Long-term value: 308 mg/m ³ , 50 ppm Sk
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(Contd. on page 4)

Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 3)

IOELV (EU)	Long-term value: 308 mg/m ³ , 50 ppm Skin	
67-63-0 propan-2-ol		
WEL (Great Britain)	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm	
78-78-4 isopentane		
WEL (Great Britain)	Long-term value: 1800 mg/m ³ , 600 ppm	
IOELV (EU)	Long-term value: 3000 mg/m ³ , 1000 ppm	
DNELs		
67-63-0 propan-2-ol		
Oral	DNEL	26 mg/kg (consumer) (chronic effects (1d))
Dermal	DNEL	319 mg/kg (consumer) (chronic effects (1d)) 888 mg/kg (worker) (chronic effects (1d))
Inhalative	DNEL	89 mg/m ³ (consumer) (chronic effects) 500 mg/m ³ (worker) (chronic effects)
PNECs		
67-63-0 propan-2-ol		
PNEC	28 mg/kg (gro) 552 mg/kg (sediment (fresh water)) 552 mg/kg (sediment (sea water)) 140.9 mg/l (water (fresh water)) 140.9 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 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: 9.5 - 10.0

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	82 - 195 °C

(Contd. on page 5)

Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 4)

Flash point:	47 °C (DIN 51755)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	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:	0.98 - 1.00 g/cm ³
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.

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:

LD/LC50 values relevant for classification:

34590-94-8 (2-methoxymethylethoxy)propanol

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

67-63-0 propan-2-ol

Oral	LD50	5280 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/8h	47.5 mg/m ³ (rat)

1336-21-6 ammonia 25%

Oral	LD50	350 mg/kg (rat)
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(Contd. on page 6)

Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 5)

Inhalative	LC50/4h	1.4 mg/l (rat)
78-78-4 isopentane		
Inhalative	LC50/4h	1280 mg/l (rat)

Primary irritant effect:**on the skin:**

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

on the eye:

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

Sensitization:

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

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Repeated dose toxicity

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.

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this mixture.

Aquatic toxicity:**34590-94-8 (2-methoxymethylethoxy)propanol**

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

67-63-0 propan-2-ol

EC10 / 18h	5175 mg/l (Pseudomonas putida) (DIN 38412)
EC50	>1000 mg/l (Bel)
EC50 / 48h	13299 mg/l (Daphnia magna)
EC50 / 72h	>1000 mg/l (algae)
LC 50 / 96 h	9640 mg/l (Pimephales promelas)

1336-21-6 ammonia 25%

EC50	2 mg/l (Photobacterium phosphoreum) (5min)
EC50 / 48h	24 mg/l (Daphnia magna)
LC 50 / 96 h	0.53 mg/l (Oncorhynchus mykiss)

78-78-4 isopentane

EC50 / 48h	2.3 mg/l (Daphnia magna)
LC 50 / 96 h	3.1 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.

34590-94-8 (2-methoxymethylethoxy)propanol

Biodegradation	93 % (-) (13d (OECD 302 B))
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67-63-0 propan-2-ol

Biodegradation	99.9 % (-) (Coupled Units Test, OECD 303A)) 95 % (-) (21d (OECD 301 E))
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12.3 Bioaccumulative potential**67-63-0 propan-2-ol**

log POW	0.05 log POW (-) (OECD 107)
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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.

(Contd. on page 7)

Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 6)

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dangerous waste in accordance with the Directive on the List of Waste Materials

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

European waste catalogue

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

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:

SEVESO category (96/82/EC): 8

National regulations:

Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.

(Contd. on page 8)

Trade name: SONAX Foam Upholstery Cleaner

(Contd. of page 7)

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.
H224 Extremely flammable liquid and vapour.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H290 May be corrosive to metals.
H304 May be fatal if swallowed and enters airways.
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.
H411 Toxic to aquatic life with long lasting effects.
- R11 Highly flammable.
R12 Extremely flammable.
R34 Causes burns.
R36 Irritating to eyes.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

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
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
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
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
- * Data compared to the previous version altered.**