

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: SONAX Tyre Care

Article number: 435300

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 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 EU guidelines:

Code letter and hazard designation of product:

F+ Extremely flammable

Risk phrases:

12 Extremely flammable.

Safety phrases:

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe vapour.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

Special labelling of certain preparations:

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 on a naked flame or any incandescent material.

Classification in accordance with Directive 75/324/EEC: Extremely flammable

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 care components in aqueous solution

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Dangerous components:

EC number: 926-141-6 Reg.nr.: 01-2119456620-43-XXXX	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics ☒ Xn R65 R66 ----- ☒ Asp. Tox. 1, H304	5-10%
CAS: 106-97-8 EINECS: 203-448-7	butane ☒ F+ R12 ----- ☒ Flam. Gas 1, H220; Press. Gas, H280	5-10%
CAS: 74-98-6 EINECS: 200-827-9	propane ☒ F+ R12 ----- ☒ Flam. Gas 1, H220; Press. Gas, H280	5-10%
CAS: 75-28-5 EINECS: 200-857-2	isobutane ☒ F+ R12 ----- ☒ Flam. Gas 1, H220; Press. Gas, H280	< 5%
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	15 - 30%
anionic surfactants, non-ionic surfactants	< 5%
methylisothiazolinone, benzisothiazolinone	

Additional information:

Note: Any entry in the EC column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

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: 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:

Foam

Fire-extinguishing powder

Carbon dioxide

Water spray

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)

Sulphur oxides (SOx)

5.3 Advice for firefighters

Protective equipment:

Do not inhale explosion gases or combustion gases.

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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.

Storage class: 2 B**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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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

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

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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:

Respiratory filter for organic gases and vapours (Type A)

Identification colour: Brown

[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:	White
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: 8.0 - 9.0

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 - 270 °C

Flash point: Not applicable.

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: 0.96 - 0.98 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 (DIN EN ISO 2431 / 4mm)

Dynamic: Not determined.

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Kinematic:
9.2 Other information

Not determined.
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:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/8h	>5000 mg/m ³ (rat) (OECD 403)

78-78-4 isopentane

Inhalative	LC50/4h	1280 mg/l (rat)
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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:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

ELO 48 h	1000 mg/l (Daphnia magna)
ELO 72 h	1000 mg/l (Pseudokirchneriella subcapitata)
LLO 96 h	1000 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)

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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.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Biodegradation 69 % (-) (28d)

12.3 Bioaccumulative potential No further relevant information available.**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

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

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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
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SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA	UN1950
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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
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14.5 Environmental hazards:

Marine pollutant:	No
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14.6 Special precautions for user Warning: Gases.

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Transport/Additional information:**ADR**

Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

The following substance(s) in this product is (are) identified by CAS number either in countries not subject to the REACH regulation or in regulations not yet updated with the new naming convention for hydrocarbon solvents.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics: CAS 64742-47-8

SEVESO category (96/82/EC): 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.

H224 Extremely flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

R12 Extremely flammable.

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

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