

**Safety data sheet  
according to UK REACH**

Printing date 18.09.2024

Version: 6.00 (replaces version 5.00)

Revision: 28.09.2023

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

04323000

**UFI:** GU05-T0HV-H00F-E07C**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture**

Consumer uses: Private households / general public / consumers

Professional uses

Sealant

**Uses advised against** There is currently no information available on this.**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](mailto:erp@sonax.de)

Phone: + +49 (0) 8431 53 217

**United Kingdom:**

Anglo American Oil Company Ltd

58 Holton Road, Holton Heath Trading Park, Poole, Dorset, BH16 6LT

Telephone: (+44) 01929 551557

Email: [info@aaoil.co.uk](mailto:info@aaoil.co.uk)**1.4 Emergency telephone number:****European Union:** +49 (0) 89 19240 (Poison Centre Munich)**United Kingdom:** 0344 892 0111 (UK NPIS)

Members of Public in England, Scotland and Wales can contact NHS 111/NHS 24 by dialling 111

In Northern Ireland, contact your local GP

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Aerosol 1 H222 Extremely flammable aerosol.

H229 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 GB CLP regulation.

**Hazard pictograms**

GHS02

**Signal word** Danger**Hazard statements**

H222 Extremely flammable aerosol.

H229 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.

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.

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### 2.3 Other hazards

#### Results of PBT and vPvB assessment

##### PBT:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

##### vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.

#### Determination of endocrine-disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Formulation consisting of pressurised gas and aqueous emulsion of synthetic polymers

#### Dangerous components:

CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	20-<25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280	0-<1%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14-xxxx	ammonia ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400 (M=1); ⚠ STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	0-<1%

**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

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

#### After skin contact:

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

Remove soiled clothing

If symptoms persist consult doctor.

**After eye contact:** Rinse opened eye for several minutes under running water. Then 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

Headache

Nausea

Dizziness

Drowsiness

Skin irritation

### 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 spray

Foam

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Fire-extinguishing powder

Carbon dioxide

**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 (CO<sub>2</sub>)

Aldehyde

**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** Ensure adequate ventilation**For non-emergency personnel**

Do not inhale gases / fumes / aerosols.

Keep away from ignition sources.

Ensure adequate ventilation

**For emergency responders**

Wear protective equipment. Keep unprotected persons away.

Do not inhale gases / fumes / aerosols.

**6.2 Environmental precautions:**

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

Do not allow to penetrate the ground/soil.

**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 section 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.

Buildup of explosive mixtures possible without sufficient ventilation.

**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.

Keep container tightly sealed.

Observe official regulations on storing packagings with pressurised containers.

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**Information about storage in one common storage facility:**

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs. Store away from foodstuffs.

Observe local/state/federal regulations.

**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: 75-28-5 isobutane**

OEL (Ireland)	Short-term value: 1000 ppm
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**CAS: 74-98-6 propane**

OEL (Ireland)	Asphx
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**CAS: 106-97-8 butane**

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

OEL (Ireland)	Short-term value: 1000 ppm
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**Regulatory information**

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

WEL (Great Britain): EH40/2020

**DNELs**

**CAS: 1336-21-6 ammonia**

Dermal	DNEL	6.8 mg/kg (worker) (chronic systemic effect)
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Inhalative	DNEL	47.6 mg/m <sup>3</sup> (worker) (chronic systemic effect)
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**PNECs**

**CAS: 1336-21-6 ammonia**

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.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

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

Remove soiled clothing and wash it before wearing again.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Ensure good ventilation/exhaustion at the workplace.

**Hand protection** Protective gloves

**Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.45 mm

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

**Eye/face protection** Safety glasses

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	-42 °C (Active ingredient data )
<b>Flammability</b>	Extremely flammable aerosol.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1.5 Vol %
<b>Upper:</b>	10.8 Vol %
<b>Flash point:</b>	Not applicable, as aerosol.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	8-9 (Active ingredient data )
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.9-1 g/cm <sup>3</sup> (Active ingredient data )
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Aerosol
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Not determined. In use, may form flammable/explosive vapour-air mixture.
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not applicable.

#### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	
Extremely flammable aerosol.	
Pressurised container: May burst if heated.	
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void

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<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### 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:** No known incompatible materials.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

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

**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.

**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.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

None of the ingredients is listed.

### SECTION 12: Ecological information

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

**Aquatic toxicity:**

**CAS: 75-28-5 isobutane**

LC50 / 96 h 27.98 mg/l (fish)

EC50 / 4 d 7.71 mg/l (algae)

**CAS: 74-98-6 propane**

LC50 / 96 h 27.98 mg/l (fish)

EC50 / 96 h 7.71 mg/l (algae)

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**CAS: 106-97-8 butane**

LC50 / 96 h	27.98 mg/l (fish)
EC50 / 4 d	7.71 mg/l (algae)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:**

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

**vPvB:**

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB

**12.6 Endocrine disrupting properties**

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.

**12.7 Other adverse effects**

**Additional ecological information:**

**General notes:** The product may not be released into the environment without control.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Recommendation**

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

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

**European waste catalogue**

Disposal / product + Disposal / contaminated packaging

15 01 10*	packaging containing residues of or contaminated by hazardous substances
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HP3	Flammable
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### SECTION 14: Transport information

**14.1 UN number or ID number**

ADR/RID/ADN, IMDG, IATA UN1950

**14.2 UN proper shipping name**

ADR/RID/ADN	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable

**14.3 Transport hazard class(es)**

ADR/RID/ADN



Class	2 5F Gases.
Label	2.1

IMDG, IATA



Class	2.1 Gases.
Label	2.1

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### 14.4 Packing group

ADR/RID/ADN, IMDG, IATA      Void

### 14.5 Environmental hazards:

Marine pollutant:                  No

14.6 Special precautions for user      Warning: Gases.

### Transport/Additional information:

#### ADR/RID/ADN

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:

Directive 2010/75/EU (VOC) 62.50 %

Catégorie SEVESO (DIRECTIVE 2012/18/EU) P3a FLAMMABLE AEROSOLS

#### 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.

H280 Contains gas under pressure; may explode if heated.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

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

Aerosols, Section 2.3.1 | On basis of test data

Date of previous version: 22.04.2021

Version number of previous version: 5.00

### 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 relatif au transport international 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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

IOELV = indicative occupational exposure limit values

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

: Aerosols – Category 3

Press. Gas (Comp.): Gases under pressure – Compressed gas

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

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