

**Safety data sheet
according to UK REACH**

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

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

03670410

UFI: 7RF5-T0C6-400M-K9MT**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture**

Air freshener for vehicles

Consumer uses: Private households / general public / consumers

Professional uses

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

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**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**

Skin Sens. 1B H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Additional information:

The product is a combination of a polymer substance with an incorporated mixture of fragrances.

The classification given relates to the incorporated mixture of fragrances.

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

GHS07

Signal word Warning**Hazard-determining components of labelling:**

4-tert-butylcyclohexyl acetate

Turpentine, oil

linalool

eucalyptol

Lauraldehyde

Methylundecanal

(Contd. on page 2)

GB

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 1)

Eugenol
dl-Citronellol
Coumarine
Methyl dihydroxy-dimethylbenzoate
2,4-dimethyl-3-cyclohexene carboxaldehyde
Citral

Hazard statements

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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: Combination of a polymer article and an incorporated fragrance mixture.

Dangerous components:

The given concentrations relate to the proportions in the incorporated mixture of fragrances

CAS: 112-54-9 EINECS: 203-983-6	Lauraldehyde ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	1-<5%
CAS: 470-82-6 EINECS: 207-431-5	eucalyptol ⚠ Flam. Liq. 3, H226; ⚠ Skin Sens. 1B, H317	1-<5%
CAS: 8006-64-2 EINECS: 232-350-7	Turpentine, oil ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	1-<5%
CAS: 17511-60-3 EINECS: 241-514-7	Tricyclodecanyl propionate ⚠ Aquatic Chronic 2, H411	1-<5%
CAS: 32210-23-4 EINECS: 250-954-9 Reg.nr.: 01-2119976286-24-xxxx	4-tert-butylcyclohexyl acetate ⚠ Skin Sens. 1B, H317	1-<5%
CAS: 78-70-6 EINECS: 201-134-4 Reg.nr.: 01-2119474016-42-xxxx	linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	1-<5%
CAS: 110-41-8 EINECS: 203-765-0	Methylundecanal ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Skin Sens. 1B, H317	0.1 - <1%
CAS: 4707-47-5	Methyl dihydroxy-dimethylbenzoate ⚠ Skin Sens. 1B, H317	0.1 - <1%
CAS: 68039-49-6 EC No 943-728-2 Reg.nr.: 01-2119982384-28	2,4-dimethyl-3-cyclohexene carboxaldehyde ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<1%

(Contd. on page 3)

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 2)

CAS: 97-53-0 EINECS: 202-589-1	Eugenol ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317	<1%
CAS: 106-22-9 EINECS: 203-375-0	dl-Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	<1%
CAS: 91-64-5 EINECS: 202-086-7 Reg.nr.: 01-2119949300-45	Coumarine ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	<1%
CAS: 5392-40-5 EINECS: 226-394-6	Citral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	0.1-<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

General information: No special measures required.

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

After skin contact: If symptoms persist consult doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

sensitization

Allergic reactions

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: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

The normal measures for firefighting are to be taken.

Do not enter the hazardous area without a self-contained breathing apparatus.

See Section 8 for information on personal protection equipment.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

For non-emergency personnel

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

For emergency responders Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Avoid release to the environment.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

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.

GB

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 3)

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility:

Store away from foodstuffs.

Observe local/state/federal regulations.

Further information about storage conditions: None.

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: 8006-64-2 Turpentine, oil

WEL (Great Britain)	Short-term value: 850 mg/m ³ , 150 ppm
	Long-term value: 566 mg/m ³ , 100 ppm

OEL (Ireland)	Short-term value: 840 mg/m ³ , 150 ppm
	Long-term value: 112 mg/m ³ , 20 ppm
	Sens

CAS: 5392-40-5 Citral

OEL (Ireland)	Long-term value: 5 ppm
	Inhalable fraction and vapour

Regulatory information

WEL (Great Britain): EH40/2020

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

PNECs

CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

PNEC	0.053 mg/l (water (intermittent release))
	0.0053 mg/l (water (fresh water))
	0.00053 mg/l (water (sea water))
PNEC	2.01 mg/kg (sediment (fresh water))
	0.21 mg/kg (sediment (sea water))
	0.42 mg/kg (soil)

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.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection: Not required in normal cases

Hand protection: Not required in normal cases.

Eye/face protection: Not required in normal cases

GB

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 4)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Solid
Colour:	pink
Odour:	Wooden
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	Not applicable
Upper:	Not applicable
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not applicable.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not determined
Vapour density	Not applicable.
Particle characteristics	Not applicable

9.2 Other information

Appearance:	
Form:	Solid - liquid incorporated in solid medium
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not applicable.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

10.2 Chemical stability Stable under normal conditions.

(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 5)

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** See Section 7 for information on safe handling.**10.5 Incompatible materials:** No further relevant information available.**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

The information in this section relates to the mixture of fragrances incorporated in the product.

Acute toxicity Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****CAS: 112-54-9 Lauraldehyde**

Oral LD50 23,000 mg/kg (rat)

CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

Oral LD50 3,550 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

CAS: 78-70-6 linalool

Oral LD50 2,790 mg/kg (rat)

Dermal LD50 5,610 mg/kg (rabbit)

CAS: 97-53-0 Eugenol

Oral LD50 1,930 mg/kg (rat)

CAS: 106-22-9 dl-Citronellol

Oral LD50 3,450 mg/kg (rat)

LDLo 2,650 mg/kg (rabbit)

CAS: 91-64-5 Coumarine

Oral LD50 293 mg/kg (rat)

CAS: 5392-40-5 Citral

Oral LD50 4,960 mg/kg (rat)

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** May cause an allergic skin reaction.**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.**Additional toxicological information:** May cause sensitisation by skin contact.**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

The information in this section relates to the mixture of fragrances incorporated in the product.

Product is considered to be harmful to aquatic organisms. May have long-term harmful effects in aquatic environments.

(Contd. on page 7)

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 6)

Aquatic toxicity:

CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

LC50 / 96h 8.6 mg/l (fish)

EC50 / 48h 5.3 mg/l (daphnia)

12.2 Persistence and degradability

CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

Biodegradation 75 % (OECD 301B (light / 28 d))

12.3 Bioaccumulative potential

CAS: 32210-23-4 4-tert-butylcyclohexyl acetate

BCF 334.6

log POW 4.8

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

The product does not contain substances with endocrine disrupting properties.

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.

European waste catalogue

1) Disposal / product

2) Disposal / contaminated packaging

20 03 01 mixed municipal waste

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class Void

14.4 Packing group

ADR/RID/ADN, IMDG, IATA Void

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

(Contd. on page 8)

Safety data sheet according to UK REACH

Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 7)

Transport/Additional information:

ADR/RID/ADN

Remarks:

Classification not required for substances/mixtures in individual packaging or multiple packs ≤5kg.

IMDG

Remarks:

Classification not required for substances/mixtures in individual packaging or multiple packs ≤5kg.

IATA

Remarks:

Classification not required for substances/mixtures in individual packaging or multiple packs ≤5kg.

UN "Model Regulation":

Void

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) not subject to

Catégorie SEVESO (DIRECTIVE 2012/18/EU) not subject to

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Skin sensitisation

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Date of previous version: 26.07.2023

Version number of previous version: 1.00

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

(Contd. on page 9)

**Safety data sheet
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Printing date 18.09.2024

Version: 1.01 (replaces version 1.00)

Revision: 23.08.2023

Trade name: SONAX Air Freshener Zirbe

(Contd. of page 8)

*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)**PNEC: Predicted No-Effect Concentration (UK REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**IOELV = indicative occupational exposure limit values**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Skin Sens. 1B: Skin sensitisation – Category 1B**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3**** Data compared to the previous version altered.**

GB