

**Safety data sheet  
according to UK REACH**

Printing date 17.09.2024

Version: 7.01 (replaces version 7.00)

Revision: 03.05.2023

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

05151000

**UFI:** PDY4-60T4-A001-66A8**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture**

Oil-and Fuel Additives

Consumer uses: Private households / general public / consumers

Professional uses

**Uses advised against** None**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**

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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

**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

GHS07

GHS08

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

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

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.

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- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapours.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**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:** Solvent mixture

**Dangerous components:**

EC No 927-241-2 Reg.nr.: 01-2119471843-32-xxxx	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics Alternative CAS number: 64742-48-9 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066	50-<100%
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**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:**

Take affected persons out of danger area and lay down.

Remove soiled clothing

**After inhalation:**

Supply fresh air.

In the event of irritation of the respiratory tract, dizziness, nausea or unconsciousness, call medical assistance immediately.

**After skin contact:**

Remove soiled clothing

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

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:** Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Headache

Dizziness

Drowsiness

Nausea

Skin irritation

Reddening, drying and crack formation of the skin

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**4.3 Indication of any immediate medical attention and special treatment needed**

If swallowed or in case of vomiting, danger of entering the lungs.

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

Water haze

Carbon dioxide

**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

Develops readily flammable gases/fumes.

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)Nitrogen oxides (NO<sub>x</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**

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**

Keep away from ignition sources.

Wear protective clothing.

**For emergency responders** 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.

Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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:**

Keep ignition sources away - Do not smoke.

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Highly volatile, flammable constituents are released during processing.  
Protect against electrostatic charges.  
Use explosion-proof apparatus / fittings and spark-proof tools.  
Buildup of explosive mixtures possible without sufficient ventilation.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Provide solvent resistant, sealed floor.  
Store in a cool location.

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

Store away from foodstuffs.  
Store away from oxidising agents.  
Observe local/state/federal regulations.

**Further information about storage conditions:**

Store receptacle in a well ventilated area.  
Keep container tightly sealed.  
Protect from heat and direct sunlight.  
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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**DNELs**

**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Oral	DNEL	125 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects)
Dermal	DNEL	125 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects)
		208 mg/kg bw/day (worker) (ChronicExposure, SystemicEffects)
Inhalative	DNEL	185 mg/m <sup>3</sup> (consumer) (ChronicExposure, SystemicEffects)
		871 mg/m <sup>3</sup> (worker) (ChronicExposure, SystemicEffects)

**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.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.

**Respiratory protection:**

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]

**Hand protection** Protective gloves

**Material of gloves**

Nitrile rubber, NBR  
Recommended thickness of the material: ≥ 0.4 mm  
[EN 374]

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

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**Eye/face protection**Safety glasses  
[EN 166]**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>	Colourless
<b>Odour:</b>	Solvent-like
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	139 °C
<b>Flammability</b>	Flammable liquid and vapour.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.6 Vol % (Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics)
<b>Upper:</b>	7 Vol % (Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics)
<b>Flash point:</b>	24 °C (DIN 51755)
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	<20.5 mm <sup>2</sup> /s
<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 at 20 °C:</b>	5 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.75-0.76 g/cm <sup>3</sup> (DIN 51757)
<b>Vapour density</b>	Not determined.

**9.2 Other information**

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Not determined.
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<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

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Desensitised explosives

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** Fumes can combine with air to form an explosive mixture.

**10.4 Conditions to avoid**

Keep ignition sources away - Do not smoke.

Protect from heat and direct sunlight.

See Section 7 for information on safe handling.

**10.5 Incompatible materials:** oxidizing agents

**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.

**LD/LC50 values relevant for classification:**

**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50 / 4h	>4,951 mg/m <sup>3</sup> (rat) (OECD 403)

**Skin corrosion/irritation**

Long-term exposure causes slight irritation of the skin.

Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation**

May cause slight, short-term eye complaints.

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** May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard**

Viscosity: < 20,5mm<sup>2</sup>/s (40°C)

May be fatal if swallowed and enters airways.

**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**

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

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### Aquatic toxicity:

#### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

LL50 / 96h	>10-<30 mg/l (Oncorhynchus mykiss)
EL50 / 48h	>22-<46 mg/l (Daphnia magna)
EL50 / 72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
NOELR 72 h	<1 mg/l (Pseudokirchneriella subcapitata)

### 12.2 Persistence and degradability

#### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Biodegradation 89 % (28d)

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

### 12.4 Mobility in soil

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Highly volatile, will partition rapidly to air.

### 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.

#### European waste catalogue

- 1) Disposal / product
- 2) Disposal / contaminated packaging

20 01 13*	solvents
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

#### 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 UN3295

### 14.2 UN proper shipping name

ADR/RID/ADN Void  
IMDG, IATA HYDROCARBONS, LIQUID, N.O.S.

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### 14.3 Transport hazard class(es)

ADR/RID/ADN



**Class** 3 (F1) Flammable liquids.  
**Label** 3

IMDG, IATA



**Class** 3 Flammable liquids.  
**Label** 3

### 14.4 Packing group

ADR/RID/ADN, IMDG, IATA III

**14.5 Environmental hazards:** Not applicable.

**14.6 Special precautions for user** Warning: Flammable liquids.

### Transport/Additional information:

ADR/RID/ADN

**Limited quantities (LQ)** 5L  
**Transport category** 3  
**Tunnel restriction code** D/E

**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) 98.47 %

Catégorie SEVESO (DIRECTIVE 2012/18/EU) P5c FLAMMABLE LIQUIDS

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.

### National regulations:

#### Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women 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.

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

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### Relevant phrases

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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

Flammable liquids	On basis of test data
Specific target organ toxicity (single exposure) Aspiration hazard 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:** 06.05.2022

**Version number of previous version:** 7.00

### Abbreviations and acronyms:

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- IOELV = indicative occupational exposure limit values
- Flam. Liq. 3: Flammable liquids – Category 3
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**