Safety data sheet
according to UK REACH

Printing date 18.09.2024 Version: 2.00 (replaces version 1.02) Revision: 01.09.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: SONAX Antifreeze & Clear View "ready to us -20°C"

Article number:
03325520-190, 03325550-190, 03325520-205, 03324410-190
UFI: XXF0-70VE-W00A-XSYG
1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture
Car care product
Detergents
Anti-Freeze and de-icing products
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
Flam. Liq. 3 H226 Flammable liquid and vapour.

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 Warning
Hazard statements
H226 Flammable liquid and vapour.
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.
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: Aqueous formulation of alcohol, glycol and tensides.

Dangerous components:		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	25-<50%
CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28-xxxx	ethanediol STOT RE 2, H373; Acute Tox. 4, H302	1-<3%

Regulation (EC) No 648/2004 on detergents / Labelling for contents	
anionic surfactants	<5%
perfumes	

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: Remove soiled clothing
After inhalation: Supply fresh air.
After skin contact: 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 spray
Fire-extinguishing powder
Alcohol resistant foam
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 (CO2)

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

Protect against electrostatic charges.
Highly volatile, flammable constituents are released during processing.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: *Prevent any seepage into the ground.*
Information about storage in one common storage facility:
Store away from foodstuffs.
Observe local/state/federal regulations.
Further information about storage conditions:
Keep container tightly sealed.
Store receptacle in a well ventilated area.
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:	
CAS: 64-17-5 ethanol	
WEL (Great Britain)	*Long-term value: 1920 mg/m³, 1000 ppm*
OEL (Ireland)	*Short-term value: 1000 ppm*

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CAS: 107-21-1 ethanediol	
WEL (Great Britain)	Short-term value: 104** mg/m³, 40** ppm Long-term value: 10* 52** mg/m³, 20** ppm Sk *particulate **vapour
IOELV (EU)	Short-term value: 104 mg/m³, 40 ppm Long-term value: 52 mg/m³, 20 ppm Skin
OEL (Ireland)	Short-term value: 40 mg/m³, 104 ppm Long-term value: 52 mg/m³, 20 ppm Sk, IOELV

Regulatory information
WEL (Great Britain): EH40/2020
OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work
IOELV (EU): (EU) 2019/1831

DNELs		
CAS: 64-17-5 ethanol		
Oral	DNEL	87 mg/kg (consumer) (long-term exposure - systemic effects)
Dermal	DNEL	206 mg/kg bw/day (consumer) (long-term exposure - systemic effects)
		343 mg/kg bw/day (worker) (lon-term exposure - systemic effects)
Inhalative	DNEL	950 mg/m³ (consumer) (acute short-tem exposure - local effects)
		1,900 mg/m³ (worker) (acute short-tem exposure - local effects)
	DNEL	114 mg/m³ (consumer) (long-term exposure - systemic effects)
		950 mg/m³ (worker) (long-term exposure - systemic effects)
CAS: 107-21-1 ethanediol		
Dermal	DNEL	53 mg/kg bw/day (consumer) (long term (chronic) / systemic)
		106 mg/kg bw/day (worker) (long term (chronic) / systemic)
Inhalative	DNEL	7 mg/m³ (consumer) (long term (chronic) / local)
		35 mg/m³ (worker) (long term (chronic) / local)

PNECs	
CAS: 64-17-5 ethanol	
PNEC	2.75 mg/l
	580 mg/l (sewage plant)
	0.96 mg/l (water (fresh water))
	0.79 mg/l (water (sea water))
PNEC	3.6 mg/kg (sediment (fresh water))
	2.9 mg/kg (sediment (sea water))
	0.63 mg/kg (soil)
CAS: 107-21-1 ethanediol	
PNEC	199.5 mg/l (STP)
	10 mg/l (water (intermittent release))
	10 mg/l (water (fresh water))
	1 mg/l (water (sea water))
PNEC	1.53 mg/kg (gro)
	37 mg/kg (sediment (fresh water)) (dry weight)
	3.7 mg/kg (sediment (sea water)) (dry weight)

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.

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Wash hands before breaks and at the end of work.
Respiratory protection:
Not required in normal cases
Ensure good ventilation/exhaustion at the workplace.
Hand protection *Not required in normal cases.*
Eye/face protection *Not required in normal cases*

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Physical state	*Fluid*
Colour:	*Blue*
Odour:	*Citrus*
Melting point/freezing point:	*Undetermined.*
Boiling point or initial boiling point and boiling range	*Undetermined.*
Flammability	*Combustible liquid.*
Lower and upper explosion limit	
Lower:	*3.5 Vol % (CAS: 64-17-5 ethanol)*
Upper:	*15 Vol % (CAS: 64-17-5 ethanol)*
Flash point:	*29 °C (EN ISO 1523)*
Decomposition temperature:	*Not determined.*
pH at 20 °C	*6-7*
Viscosity:	
Kinematic viscosity at 40 °C	*<20.5 mm²/s*
Solubility	
water:	*Fully miscible.*
Partition coefficient n-octanol/water (log value)	*Not determined.*
Vapour pressure:	*Not determined.*
Density and/or relative density	
Density at 20 °C:	*0.96-0.97 g/cm³*
Vapour density	*Not determined.*

9.2 Other information	
Appearance:	
Form:	*Fluid*
Important information on protection of health and environment, and on safety.	
Ignition temperature:	*Not determined.*
Explosive properties:	*Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*
Change in condition	
Evaporation rate	*Not determined.*

Information with regard to physical hazard classes	
Explosives	*Void*
Flammable gases	*Void*
Aerosols	*Void*
Oxidising gases	*Void*
Gases under pressure	*Void*
Flammable liquids	*Flammable liquid and vapour.*
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*

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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 Develops readily flammable gases/fumes.
10.4 Conditions to avoid
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 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:		
CAS: 64-17-5 ethanol		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	>20 mg/m³ (mouse)
		51 mg/m³ (rat)
CAS: 107-21-1 ethanediol		
Oral	LD50	7,712 mg/kg (rat)
Dermal	LD50	>3,500 mg/kg (mouse)
Inhalative	LC50 / 6 h	>2.5 mg/l (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 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.

Additional toxicological information:

Repeated dose toxicity		
CAS: 64-17-5 ethanol		
Oral	NOAEL	1,760 mg/kg (rat)

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.

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Aquatic toxicity:	
CAS: 64-17-5 ethanol	
LC50 / 48h	8,140 mg/l (Leuciscus idus)
EC50	>100 mg/l (Chlorella pyrenoidosa)
EC50 / 48h	>10,000 mg/l (Daphnia magna)
EC50 / 72h	275 mg/l (Chlorella vulgaris)
CAS: 107-21-1 ethanediol	
LC50 / 96h	72,860 mg/l (Pimephales promelas)
EC20 / 0.5 h	>1,995 mg/l (activated sludge)
EC50 / 48h	>100 mg/l (Daphnia magna)
EC50 / 96 h	6,500-13,000 mg/l (Pseudokirchneriella subcapitata)
NOEC / 7 d	8,590 mg/l (Ceriodaphnia Dubia) (EPA 600/4-89/001)
	15,380 mg/l (Pimephales promelas) (EPA 600/4-89/001)

12.2 Persistence and degradability
The surface-active substances contained in the product meet the requirement of the EU Detregent Regulation (EC/648/2004) for ultimate biodegradability for surfactants in detergents.

12.3 Bioaccumulative potential	
CAS: 107-21-1 ethanediol	
log POW	1.36

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 conatins less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix conatins 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:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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 29*	detergents containing hazardous substances

Uncleaned packaging:
15 01 10*: packaging containing residues of or contaminated by dangerous substances
Recommendation:
Packaging may be reused or recycled after cleaning.
15 01 02: plastic packaging
Recommended cleansing agents: Water

SECTION 14: Transport information

14.1 UN number or ID number	
ADR/RID/ADN, IMDG, IATA	UN1170
14.2 UN proper shipping name	
ADR/RID/ADN	1170 ETHANOL SOLUTION

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IMDG, IATA	ETHANOL SOLUTION

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:
Marine pollutant: No

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": UN 1170 ETHANOL SOLUTION, 3, III

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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) 31.28 %
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.

Relevant phrases
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.

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H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	On basis of test data

Date of previous version: 22.04.2021
Version number of previous version: 1.02
Abbreviations and acronyms:
NOEL = No Observed Effect Level
NOEC = No Observed Effect Concentration
LC = letal 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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IOELV = indicative occupational exposure limit values
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
*** Data compared to the previous version altered.**