

Printing date 15.05.2023 Version: 7.00 (replaces version 6.00) Revision: 05.05.2023

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

#### 1.1 Product identifier

Trade name: SONAX Window De-Icer

Article number:

03311090, 03312410, 03311410, 03314410, 03315050

UFI: RU80-90V8-5006-YJKW

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture

Anti-Freeze and de-icing products

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

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.

### 2.3 Other hazards

### Results of PBT and vPvB assessment

PRT.

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

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#### 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 of alcohol and additives.

Dangerous components:		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol	25-<50%
CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28-xxxx	ethanediol STOT RE 2, H373; 1 Acute Tox. 4, H302	5-<10%
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	3-<5%

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; consult doctor in case of complaints.

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)

# 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.

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### 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

Wear protective clothing.

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

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 monitorin	g at the workplace:
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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

Short-term value: 104 mg/m³, 40 ppm IOELV (EU)

Long-term value: 52 mg/m³, 20 ppm

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OEL (Ireland)	Short-term value: 40 mg/m³, 104 ppm
	Long-term value: 52 mg/m³, 20 ppm
	Sk, IOELV
CAS: 56-81-5 glyce	rol
WEL (Great Britain)	Long-term value: 10 mg/m³
OEL (Ireland)	Long-term value: 10 mg/m³

Regulatory information

WEL (Great Britain): EH40/2020 IOELV (EU): (EU) 2019/1831

DNELs				
CAS: 64-1	7-5 eth	nanol		
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 e	thanediol		
Dermal	DNEL	53 mg/kg bw/day (consumer) (long term (chronic) / systemic)		
Inhalative DNEL To mg/kg bw/day (worker) (long term (chronic) / systemic)  7 mg/m³ (consumer) (long term (chronic) / local)  35 mg/m³ (worker) (long term (chronic) / local)		106 mg/kg bw/day (worker) (long term (chronic) / systemic)		
		7 mg/m³ (consumer) (long term (chronic) / local)		
		35 mg/m³ (worker) (long term (chronic) / local)		
PNECs				
CAS: 64-1	4-17-5 ethanol			
PNEC 58	580 mg/l (sewage plant)			
0.9	0.96 mg/l (water (fresh water))			
0.7	0.79 mg/l (water (sea water)) C 3.6 mg/kg (sediment (fresh water))			
PNEC 3.6				
0.6	0.63 mg/kg (soil)  107-21-1 ethanediol  199.5 mg/l (STP)			
CAS: 107				
PNEC 19				
10	mg/l (v	vater (intermittent release))		
10	mg/l (v	vater (fresh water))		
1 mg/l (water (sea water)) PNEC 1.53 mg/kg (gro)				

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

3.7 mg/kg (sediment (sea water)) (dry weight)

## 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

Ensure good ventilation/exhaustion at the workplace.

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Hand protection Not required in normal cases. Eye/face protection Not required in normal cases

SECTION 9: Ph	ysical a	and ch	nemica	l pro	pert	ies
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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

78-200 °C

Flammable liquid and vapour. **Flammability** 

Lower and upper explosion limit

3.5 Vol % (CAS: 64-17-5 ethanol) Lower: 15 Vol % (CAS: 64-17-5 ethanol) Upper:

Flash point: 24 °C (DIN 51755) Decomposition temperature: Not determined.

pH at 20 °C 7.2-7-6

Viscosity:

Kinematic viscosity at 40 °C <20.5 mm<sup>2</sup>/s

Solubility

water: Fully miscible. Partition coefficient n-octanol/water (log value) Not determined.

Vapour pressure at 20 °C: 59 hPa (CAS: 64-17-5 ethanol)

Density and/or relative density

Density at 20 °C: 0.95-0.96 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

Void **Explosives** 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	LD/LC50 values relevant for classification:		
CAS: 64-1	CAS: 64-17-5 ethanol		
Oral LD50 1		10,470 mg/kg (rat)	
Dermal	LD50	>2,000 mg/kg (rabbit)	
Inhalative LC50 / 4h >20 mg/l (mouse) 38 mg/l (rat)		>20 mg/l (mouse)	
		38 mg/l (rat)	
CAS: 107-	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) (OECD 408, 90d, target organ: liver)

### 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 toxi	city:		
CAS: 64-17-	5 ethanol		
LC50 / 48h	8,140 mg/l (Leuciscus idus)		
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 No further relevant information available.

### 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

PRT

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.

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

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

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

	European waste catalogue			
	20 01 13*	solvents		
	15 01 10*	packaging containing residues of or contaminated by hazardous substances		
Ī	HP3	Flammable		

### Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14:	ransport	ıntormat	ion
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14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA

UN1170

14.2 UN proper shipping name

ADR/RID/ADN IMDG, IATA

1170 ETHANOL, solution ETHANOL solution

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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

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Warning: Flammable liquids.

14.7 Maritime transport in bulk according to IMO

instruments Not applicable.

Transport/Additional information:

ADR/RID/ADN

Limited quantities (LQ)5LTransport category3Tunnel restriction codeD/E

UN "Model Regulation": UN1170, ETHANOL, solution, 3, III

## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture European Directives:

III

Directive 2010/75/EU (VOC) 38.00 %

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 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.

GB ·



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## 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 Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

### Relevant phrases

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

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: 16.06.2021 Version number of previous version: 6.00

#### 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

<sup>\*</sup> Data compared to the previous version altered.