

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** SONAX Lock De-Icer**Article number:** 331000, 331541**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Product category PC4** Anti-Freeze and de-icing products**Application of the substance / the preparation** Car care product**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

**1.4 Emergency telephone number:** Emergency Phone Munich Tel.: +49 (0)89 19240**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36: Irritating to eyes.



F; Highly flammable

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms** GHS02, GHS07**Signal word** Danger**Hazard-determining components of labelling:**

propan-2-ol

**Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

(Contd. on page 2)

GB

**Trade name: SONAX Lock De-Icer**

(Contd. of page 1)

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:** Alcohol with lubricant and anti-corrosion additives.**Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol ☒ Xi R36; ☒ F R11 R67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	75-100%
CAS: 64742-53-6 Reg.nr.: 01-2119480375-34-XXXX	Distillates (petroleum), hydrotreated light naphthenic ☒ Asp. Tox. 1, H304	5-10%

**Additional information:** For the wording of the listed risk 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:**

Generally the product does not irritate the skin.

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

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

Foam

Fire-extinguishing powder

Carbon dioxide

Water spray

**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 and carbon dioxide

**5.3 Advice for firefighters****Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

Wear fully protective suit.

**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**

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Ensure adequate ventilation

**6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

(Contd. on page 3)

**Trade name: SONAX Lock De-Icer**

(Contd. of page 2)

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

**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 item 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.

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

**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.

**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:**

**67-63-0 propan-2-ol**

WEL (Great Britain)	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
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**DNELs****67-63-0 propan-2-ol**

Oral	DNEL	26 mg/kg (consumer) (chronic effects (1d))
Dermal	DNEL	319 mg/kg (consumer) (chronic effects (1d)) 888 mg/kg (worker) (chronic effects (1d))
Inhalative	DNEL	89 mg/m <sup>3</sup> (consumer) (chronic effects) 500 mg/m <sup>3</sup> (worker) (chronic effects)

**PNECs****67-63-0 propan-2-ol**

PNEC	28 mg/kg (gro) 552 mg/kg (sediment (fresh water)) 552 mg/kg (sediment (sea water)) 140.9 mg/l (water (fresh water)) 140.9 mg/l (water (sea water))
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**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.

**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

(Contd. on page 4)

Printing date 24.09.2013

Version: 3

Revision: 17.07.2013

Trade name: SONAX Lock De-Icer

(Contd. of page 3)

Ensure good ventilation/exhaustion at the workplace.

**Protection of hands:** Not required in normal cases**Eye protection:**

Safety glasses

[EN 166]

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not applicable.**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	82 °C

**Flash point:** 12 °C (DIN 51755)**Flammability (solid, gaseous):** Not applicable.**Ignition temperature:****Decomposition temperature:** Not determined.**Self-igniting:** Not determined.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:**

<b>Lower:</b>	Explosion limits components: propan-2-ol: 2 Vol%
<b>Upper:</b>	Explosion limits components: propan-2-ol: 12 Vol%

**Vapour pressure:** Not determined.**Density at 20 °C:** 0.79 - 0.80 g/cm<sup>3</sup>**Relative density** Not determined.**Vapour density** Not determined.**Evaporation rate** Not determined.**Solubility in / Miscibility with water:** Fully miscible.**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:****Flow time at 20 °C** 10 - 15 s (DIN EN ISO 2431/4mm)**Dynamic:** Not determined.**Kinematic:** Not determined.**9.2 Other information** No further relevant information available.**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** No dangerous reactions known.**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

(Contd. on page 5)

**Trade name: SONAX Lock De-Icer**

(Contd. of page 4)

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

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects** There are no toxicological findings on this mixture.

**Acute toxicity:**

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

**67-63-0 propan-2-ol**

Oral	LD50	5280 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/8h	47.5 mg/m <sup>3</sup> (rat)

**Primary irritant effect:**

**on the skin:**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**on the eye:** Irritating effect.

**Sensitization:**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**Repeated dose toxicity**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

None of the ingredients are known to have effects which are carcinogenic, mutagenic or harmful to reproduction.

## SECTION 12: Ecological information

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

**Aquatic toxicity:**

**67-63-0 propan-2-ol**

EC10 / 18h	5175 mg/l (Pseudomonas putida) (DIN 38412)
EC50	>1000 mg/l (Bel)
EC50 / 48h	13299 mg/l (Daphnia magna)
EC50 / 72h	>1000 mg/l (algae)
LC 50 / 96 h	9640 mg/l (Pimephales promelas)

**12.2 Persistence and degradability**

**67-63-0 propan-2-ol**

Biodegradation	99.9 % ( - ) (Coupled Units Test, OECD 303A)
	95 % (-) (21d (OECD 301 E))

**12.3 Bioaccumulative potential**

**67-63-0 propan-2-ol**

log POW	0.05 log POW (-) (OECD 107)
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**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

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

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

Dangerous waste in accordance with the Directive on the List of Waste Materials

**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
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(Contd. on page 6)

**Trade name: SONAX Lock De-Icer**

(Contd. of page 5)

15 01 10\* packaging containing residues of or contaminated by dangerous substances

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR, IMDG, IATA UN1219

#### 14.2 UN proper shipping name

ADR 1219 ISOPROPANOL, solution  
IMDG, IATA ISOPROPANOL, solution

#### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class 3 Flammable liquids.  
Label 3

#### 14.4 Packing group

ADR, IMDG, IATA II

#### 14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Warning: Flammable liquids.

#### Transport/Additional information:

##### ADR

Limited quantities (LQ) 1L  
Transport category 2  
Tunnel restriction code D/E

UN "Model Regulation": UN1219, ISOPROPANOL (ISOPROPYL ALCOHOL), solution, 3, II

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### European Directives:

SEVESO category (96/82/EC): 7b

##### 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

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

#### Abbreviations and acronyms:

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = Lethal Concentration

(Contd. on page 7)

Printing date 24.09.2013

Version: 3

Revision: 17.07.2013

**Trade name: SONAX Lock De-Icer**

(Contd. of page 6)

*EC50 = half maximal effective concentration**log POW = Octanol / water partition coefficient**ADR: Accord européen sur le transport 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**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**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 (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**IOELV = indicative occupational exposure limit values***\* Data compared to the previous version altered.**

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