

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 12.12.2019

Version: 5.00

Revision: 10.10.2017

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

#### 1.1 Product identifier

**Trade name:** SONAX PREMIUM CLASS Nano Paint Coating

**Article number:**

B02260410

(coating of article 226941)

#### 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 PC9a** Coatings and paints, thinners, paint removers

**Application of the substance / the mixture** 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**

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or 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

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

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.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing vapours.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P410+P412  
P501

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
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: Not applicable.

vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:**

Formulation consisting of pressurised gas and a dispersion of silica nanoparticles  
Product contains nanomaterials in a bonded polymer matrix.

**Dangerous components:**

|  |   |        |
|--|---|--------|
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Reg.nr.: 01-2119457558-25-xxxx  | propan-2-ol<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336  | 25-50% |
| CAS: 64-17-5<br>EINECS: 200-578-6<br>Reg.nr.: 01-2119457610-43-xxxx  | ethanol<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319<br>Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 % | < 5%   |
| CAS: 106-97-8<br>EINECS: 203-448-7<br>Reg.nr.: 01-2119474691-32-xxxx | butane<br>⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280   | < 5%   |
| CAS: 74-98-6<br>EINECS: 200-827-9<br>Reg.nr.: 01-2119486944-21-xxxx  | propane<br>⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280  | < 5%   |
| CAS: 75-28-5<br>EINECS: 200-857-2<br>Reg.nr.: 01-2119485395-27-xxxx  | isobutane<br>⚠ Flam. Gas 1, H220; Press. Gas (Comp.), H280  | < 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:**

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:**

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:** Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed**

Eye irritation

Drowsiness

Dizziness

**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.

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**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**

Cool endangered receptacles with water spray.

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**

Keep away from ignition sources.

Ensure adequate ventilation

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.

**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 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.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material.

Highly volatile, flammable constituents are released during processing.

Fumes can combine with air to form an explosive mixture.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.

Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:**

Protect from heat and direct sunlight.

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Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.  
Store receptacle in a well ventilated area.  
Protect from frost.  
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: 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

##### CAS: 64-17-5 ethanol

WEL (Great Britain) Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

##### CAS: 106-97-8 butane

WEL (Great Britain) Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
Carc (if more than 0.1% of buta-1.3-diene)

##### DNELs

##### CAS: 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)  |

##### 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) (long-term exposure - systemic effects)            |
| Inhalative | DNEL | 950 mg/m <sup>3</sup> (consumer) (acute short-term exposure - local effects) |
|            |      | 1,900 mg/m <sup>3</sup> (worker) (acute short-term exposure - local effects) |
|            |      | 114 mg/m <sup>3</sup> (consumer) (long-term exposure - systemic effects)     |
|            | DNEL | 950 mg/m <sup>3</sup> (worker) (long-term exposure - systemic effects)       |

##### PNECs

##### CAS: 67-63-0 propan-2-ol

|      |                                  |
|------|----------------------------------|
| PNEC | 140.9 mg/l (sporadic release)    |
|      | 2,251 mg/l (STP)                 |
|      | 140.9 mg/l (water (fresh water)) |
|      | 140.9 mg/l (water (sea water))   |
| PNEC | 28 mg/kg (gro)                   |
|      | 552 mg/kg (sediment)             |

##### CAS: 64-17-5 ethanol

|      |                                    |
|------|------------------------------------|
| PNEC | 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)                  |

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

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**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:**

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]

**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>            | Aerosol         |
| <b>Colour:</b>          | Colourless      |
| <b>Odour:</b>           | Alcohol-like    |
| <b>Odour threshold:</b> | Not determined. |

**Important information on protection of health and environment, and on safety.**

data of the content without propellant

**pH-value:** Not applicable.

**Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** ≥ 78 °C

**Flash point:** 16 °C (DIN 51755)

**Flammability (solid, gas):** Not applicable.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Not determined.

**Explosive properties:** Not determined.  
In use, may form flammable/explosive vapour-air mixture.

**Explosion limits:**

**Lower:** Explosion limits components:  
2 Vol% (propan-2-ol data)

**Upper:** Explosion limits components:  
12 Vol% (propan-2-ol data)

**Vapour pressure:** Not determined.

**Density at 20 °C:** 0.87 - 0.89 g/cm<sup>3</sup>

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not applicable.

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**Solubility in / Miscibility with water:**

Partly 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** Develops readily flammable gases/fumes.

**10.4 Conditions to avoid**

An increase in pressure may lead to bursting.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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

**Acute toxicity** Based on available data, the classification criteria are not met.

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

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

|            |            |                           |
|------------|------------|---------------------------|
| Oral       | LD50       | 5,840 mg/kg (rat)         |
| Dermal     | LD50       | 13,900 mg/kg (rabbit)     |
| Inhalative | LC50 / 6 h | >25 mg/l (rat) (OECD 403) |

**CAS: 64-17-5 ethanol**

|            |         |                          |
|------------|---------|--------------------------|
| Oral       | LD50    | 5,560 mg/kg (guinea pig) |
|            |         | 3,450 mg/kg (mouse)      |
|            |         | 7,060 mg/kg (rat)        |
|            |         | 6,300 mg/kg (rabbit)     |
| Dermal     | LD50    | >2,000 mg/kg (rat)       |
| Inhalative | LC50/4d | 20,000 mg/l (rat)        |

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Repeated dose toxicity**

**CAS: 64-17-5 ethanol**

|      |       |                   |
|------|-------|-------------------|
| Oral | LOAEL | 3,160 mg/kg (rat) |
|      | NOAEL | 1,730 mg/kg (rat) |

**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.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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**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** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity** There are no ecotoxicological data available on this mixture.**Aquatic toxicity:****CAS: 67-63-0 propan-2-ol**

|            |                                  |
|------------|----------------------------------|
| LC50 / 96h | 9,640 mg/l (Pimephales promelas) |
| LC50 / 24h | 9,714 mg/l (daphnia)             |
| EC50       | >100 mg/l (bacteria)             |
| EC50 / 72h | >100 mg/l (algae)                |

**CAS: 64-17-5 ethanol**

|            |                                 |
|------------|---------------------------------|
| LC50 / 48h | 8,140 mg/l (Leuciscus idus)     |
| LC50 / 24h | >100 mg/l (Daphnia magna)       |
| EC5 / 16h  | 6,500 mg/l (Pseudomonas putida) |
| EC50 / 48h | 9,268 mg/l (Daphnia magna)      |

**CAS: 106-97-8 butane**

|             |                   |
|-------------|-------------------|
| LC50 / 96 h | 27.98 mg/l (fish) |
| EC50 / 4 d  | 7.71 mg/l (algae) |

**CAS: 74-98-6 propane**

|             |                   |
|-------------|-------------------|
| LC50 / 96 h | 27.98 mg/l (fish) |
| EC50 / 96 h | 7.71 mg/l (algae) |

**CAS: 75-28-5 isobutane**

|             |                   |
|-------------|-------------------|
| LC50 / 96 h | 27.98 mg/l (fish) |
| EC50 / 4 d  | 7.71 mg/l (algae) |

**12.2 Persistence and degradability****CAS: 67-63-0 propan-2-ol**

|                |      |
|----------------|------|
| Biodegradation | 53 % |
|----------------|------|

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

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

Disposal / product + Disposal / contaminated packaging

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

**SECTION 14: Transport information**

**14.1 UN-Number**  
ADR, IMDG, IATA

UN1950

**14.2 UN proper shipping name**

ADR 1950 AEROSOLS  
IMDG AEROSOLS  
IATA AEROSOLS, flammable

**14.3 Transport hazard class(es)**

ADR



Class 2 5F Gases.  
Label 2.1

IMDG, IATA



Class 2.1  
Label 2.1

**14.4 Packing group**

ADR, IMDG, IATA Void

**14.5 Environmental hazards:**

Marine pollutant: No

**14.6 Special precautions for user** Warning: Gases.

**Transport/Additional information:**

ADR

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

UN "Model Regulation": UN1950, AEROSOLS, 2.1

**SECTION 15: Regulatory information**

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

**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.

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### Relevant phrases

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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

|   |  |
|---|--|
| Aerosols  | On basis of test data  |
| Serious eye damage/eye irritation<br>Specific target organ toxicity (single exposure) | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |

### 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 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  
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  
Flam. Gas 1: Flammable gases – Category 1  
Aerosol 1: Aerosols – Category 1  
Press. Gas (Comp.): Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Version history and indication of changes:** Replaces version 4.00.

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