

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** SONAX Tar Remover**Article number:** 334200**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** PC35 Washing and cleaning products (including solvent based 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](mailto: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 Directive 67/548/EEC or Directive 1999/45/EC**

F+; Extremely flammable

R12: Extremely flammable.

R52/53-66-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**Information concerning particular hazards for human and environment:**

Warning! Pressurized container.

Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**2.2 Label elements****Labelling according to EU guidelines:****Code letter and hazard designation of product:**

F+ Extremely flammable

**Risk phrases:**

12 Extremely flammable.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

**Safety phrases:**

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe spray.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

**Special labelling of certain preparations:**

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 on a naked flame or any incandescent material.

**Classification in accordance with Directive 75/324/EEC:** Extremely flammable**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.

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# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 16.01.2013

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vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Description: Preparation of propellant and solvents

#### Dangerous components:

EC number: 927-241-2 Reg.nr.: 01-2119471843-32-XXXX	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics Xn R65 R10-52/53-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412	25-50%
EC number: 926-141-6 Reg.nr.: 01-2119456620-43-XXXX	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics Xn R65 R66 Asp. Tox. 1, H304	25-50%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-XXXX	Hydrocarbons, C9, aromatics Xn R65; Xi R37; N R51/53 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	5-10%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide Press. Gas, H280	< 5%

#### Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons	≥ 30%
aromatic hydrocarbons	5 - 15%

#### Additional information:

Hydrocarbon mixture:

Benzene content &lt; 0.1%

Note: Any entry in the EC column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

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:

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. 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

Nausea

Drowsiness

Reddening, drying and crack formation of the skin

#### 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

Carbon dioxide

Fire-extinguishing powder

Water haze

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

Can form explosive gas-air mixtures.

In case of fire, the following can be released:

Carbon monoxide (CO)

Sulphur dioxide (SO<sub>2</sub>)**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.

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 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.

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:**

Provide solvent resistant, sealed floor.

Observe official regulations on storing packagings with pressurized containers.

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

Store receptacle in a well ventilated area.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Protect from heat and direct sunlight.

Recommended storage temperature: 20 °C.

**Storage class:** 2 B

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**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:**

##### 124-38-9 carbon dioxide

WEL (Great Britain)	Short-term value: 27400 mg/m <sup>3</sup> , 15000 ppm Long-term value: 9150 mg/m <sup>3</sup> , 5000 ppm
IOELV (EU)	Long-term value: 9000 mg/m <sup>3</sup> , 5000 ppm

#### DNELs

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

Oral	DNEL	300 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects)
Dermal	DNEL	300 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects) 300 mg/kg bw/day (worker) (ChronicExposure, SystemicEffects)
Inhalative	DNEL	900 mg/m <sup>3</sup> (consumer) (ChronicExposure, SystemicEffects) 1500 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.

##### Personal protective equipment:

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

##### 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:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

##### Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

[EN 374]

**Penetration time of glove material** Value for the permeation: Level  $\leq 6$  ( $\geq 480$ min)

##### Eye protection:

Safety glasses

[EN 166]

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

**Form:**

Aerosol

**Colour:**

Light brown

**Odour:**

Characteristic

**Odour threshold:**

Not determined.

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

data of the content without propellant

**pH-value:**

Not applicable.

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<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	110 - 270 °C
<b>Flash point:</b>	37 °C (DIN 51755)
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
<b>Self-igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Not determined.
<b>Explosion limits:</b>	
<b>Lower:</b>	Explosion limits components: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: 0,6Vol% Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics: 0,6Vol%
<b>Upper:</b>	Explosion limits components: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: 7,0Vol% Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics: 7,0Vol%
<b>Vapour pressure:</b>	Not determined.
<b>Density at 20 °C:</b>	0.78 - 0.79 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Flow time</b>	10 - 12s (DIN EN ISO 2431 / 4mm)
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>9.2 Other information</b>	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

An increase in pressure may lead to bursting.

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.

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.

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**Acute toxicity:****LD/LC50 values relevant for classification:****Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	>4951 mg/l (rat) (OECD 403)

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/8h	>5000 mg/m³ (rat) (OECD 403)

**Hydrocarbons, C9, aromatics**

Oral	LD50	~3492 mg/kg (rat)
Dermal	LD50	>3160 mg/kg (rabbit)
Inhalative	LC50/4h	>6193 mg/l (rat)

**Primary irritant effect:****on the skin:**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).  
Long-term exposure causes slight irritation of the skin.

**on the eye:**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).  
May cause slight, short-term eye complaints.

**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**

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

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

EL50 / 48h	>22 - <46 mg/l (Daphnia magna)
EL50 / 72h	>1000 mg/l (Pseudokirchneriella subcapitata)
LL50 / 96h	>10 - <30 mg/l (Oncorhynchus mykiss)
NOELR 72 h	< 1 mg/l (Pseudokirchneriella subcapitata)

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

ELO 48 h	1000 mg/l (Daphnia magna)
ELO 72 h	1000 mg/l (Pseudokirchneriella subcapitata)
LLO 96 h	1000 mg/l (Oncorhynchus mykiss)

**Hydrocarbons, C9, aromatics**

EL50 / 48h	3.2 mg/l (Daphnia magna)
ErL50 / 72h	2.6 mg/l (Pseudokirchneriella subcapitata)
LL50 / 96h	9.2 mg/l (fish)

**12.2 Persistence and degradability****Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Biodegradation >70 % (-) (28d)

**Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

Biodegradation 69 % (-) (28d)

**Hydrocarbons, C9, aromatics**

Biodegradation 78 % (-) (28d)

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

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### 12.4 Mobility in soil

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:  
Highly volatile, will partition rapidly to air.

### Additional ecological information:

#### General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 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

Disposal / product + Disposal / contaminated packaging

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

see Sections 6-8

Warning: Gases.

### Transport/Additional information:

#### ADR

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

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

The following substance(s) in this product is (are) identified by CAS number either in countries not subject to the REACH regulation or in regulations not yet updated with the new naming convention for hydrocarbon solvents.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: CAS 64742-48-9

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics: CAS 64742-47-8

Hydrocarbons, C9, aromatics : CAS 64742-95-6

**SEVESO category (96/82/EC): 8**

**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**

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

R10 Flammable.

R37 Irritating to respiratory system.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

**Abbreviations and acronyms:**

EC50 = half maximal effective concentration

LC = Lethal Concentration

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

DNEL: Derived No-Effect Level (REACH)