

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SONAX RUBBER PROTECTANT**Article number:** 340505.04, 340800.01, 340905.01**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

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


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** Xn; Harmful


R65: Harmful: may cause lung damage if swallowed.

 Xi; Irritant

R38: Irritating to skin.

 F; Highly flammable

R11: Highly flammable.

 N; Dangerous for the environment

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

R67: Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

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

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

Xn Harmful

F Highly flammable

N Dangerous for the environment

Hazard-determining components of labelling:

hydrocarbons

Risk phrases:

11 Highly flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

67 Vapours may cause drowsiness and dizziness.

Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe vapour.

24 Avoid contact with skin.

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 1)

33 Take precautionary measures against static discharges.

51 Use only in well-ventilated areas.

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: Mixture of solvents with silicones.

Dangerous components:

EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Xn R65; Xi R38; F R11; N R51/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	50-75%
CAS: 110-82-7 EINECS: 203-806-2	cyclohexane Xn R65; Xi R38; F R11; N R50/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	5-10%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane Xn R48/20-62-65; Xi R38; F R11; N R51/53 R67 Repr. Cat. 3 Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	< 5%

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

aliphatic hydrocarbons	≥ 30%
------------------------	-------

Additional information:

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:

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

If symptoms persist consult doctor.

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

Skin irritation

Headache

Dizziness

Drowsiness

Nausea

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.

(Contd. on page 3)

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 2)

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

Carbon dioxide

Fire-extinguishing powder

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**

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.

Protect against electrostatic charges.

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

Provide solvent resistant, sealed floor.

Store in a cool location.

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

Store receptacle in a well ventilated area.

Keep container tightly sealed.

Protect from heat and direct sunlight.

Recommended storage temperature: 20 °C.

Storage class: 3**7.3 Specific end use(s)** No further relevant information available.

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

110-82-7 cyclohexane

WEL (Great Britain) Short-term value: 1050 mg/m³, 300 ppm
Long-term value: 350 mg/m³, 100 ppm

IOELV (EU) Long-term value: 700 mg/m³, 200 ppm

110-54-3 n-hexane

WEL (Great Britain) Long-term value: 72 mg/m³, 20 ppm

IOELV (EU) Long-term value: 72 mg/m³, 20 ppm

DNELs

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral DNEL 699 mg/kg bw/day (consumer) (chronic exposition / systemic effects)

Dermal DNEL 699 mg/kg bw/day (consumer) (chronic exposition / systemi effects)

773 mg/kg bw/day (worker) (chronic exposition / systemic effects)

Inhalative DNEL 608 mg/m³ (consumer) (chronic exposition / systemic effects)

2035 mg/m³ (worker) (chronic exposition / systemic effects)

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:

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: ≥ 0.4 mm

[EN 374]

Penetration time of glove material Value for the permeation: Level ≤ 6 (≥ 480 min)

Eye protection:

Goggles recommended during refilling

[EN 166]

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value:	Not applicable.
------------------	-----------------

Change in condition

Melting point/Melting range:	Undetermined.
-------------------------------------	---------------

(Contd. on page 5)

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 4)

Boiling point/Boiling range:	60 - 120 °C
Flash point:	< 0 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Explosion limits components: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane: 0,6 Vol. %
Upper:	Explosion limits components: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane: 7,0 Vol. %
Vapour pressure:	Not determined.
Density at 20 °C:	0.75 - 0.77 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
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

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:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	LD50	>5840 mg/kg (rat) (OECD 401)
------	------	------------------------------

Dermal	LD50	>2920 mg/kg (rat) (OECD 402)
--------	------	------------------------------

Inhalative	LC50/4h	25.2 mg/l (rat) (OECD 403)
------------	---------	----------------------------

110-82-7 cyclohexane

Oral	LD50	12000 mg/kg (rat)
------	------	-------------------

Dermal	LD50	>18000 mg/kg (rabbit)
--------	------	-----------------------

110-54-3 n-hexane

Oral	LD50	28.7 mg/kg (rat)
------	------	------------------

(Contd. on page 6)

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 5)

Dermal	LD50	3295 mg/kg (rabbit)
Inhalative	LC50	97469 ppm (rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:**

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

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)

Contains n-hexane!

Does not fulfill the criteria for classification

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, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

EL50 / 48h	3 mg/l (Daphnia magna) (OECD 202)
EL50 / 72h	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50 / 96h	11.4 mg/l (Oncorhynchus mykiss) (OECD 203)
LOEC	0.32 mg/l (Daphnia magna)
NOEC / 21d	0.17 mg/l (Daphnia magna)
NOELR 72 h	3 mg/l (Pseudokirchneriella subcapitata)

12.2 Persistence and degradability**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Biodegradation 81% % (-) (28d)

12.3 Bioaccumulative potential No further relevant information available.**12.4 Mobility in soil**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane:

Highly volatile, will partition rapidly to air.

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

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN3295

(Contd. on page 7)

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 6)

14.2 UN proper shipping name

ADR	3295 HYDROCARBONS, LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS
IMDG	HYDROCARBONS, LIQUID, N.O.S. (Petroleum Distillates), MARINE POLLUTANT
IATA	HYDROCARBONS, LIQUID, N.O.S.

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:	Yes
	>5l: Symbol (fish and tree)
Special marking (ADR):	>5l: Symbol (fish and tree)

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

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, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane: CAS 64742-49-0

SEVESO category (96/82/EC): 7b**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.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H361f Suspected of damaging fertility.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

R11 Highly flammable.
 R38 Irritating to skin.

(Contd. on page 8)

Printing date 16.01.2013

Version: 2

Revision: 10.12.2012

Trade name: SONAX RUBBER PROTECTANT

(Contd. of page 7)

*R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.**R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**R62 Possible risk of impaired fertility.**R65 Harmful: may cause lung damage if swallowed.**R67 Vapours may cause drowsiness and dizziness.***Abbreviations and acronyms:**

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = Lethal Concentration

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)

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

GB