

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SONAX WHEEL CLEANER PLUS ACID-FREE**Article number:** 230500.05, 230705.04**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

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** Xi; Sensitising

R43: May cause sensitisation by skin contact.

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

Xi Irritant

Hazard-determining components of labelling:

sodium mercaptoacetate

Risk phrases:

43 May cause sensitisation by skin contact.

Safety phrases:

2 Keep out of the reach of children.

23 Do not breathe spray.

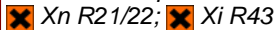


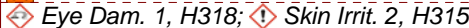
24 Avoid contact with skin.

37 Wear suitable gloves.

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

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:** aqueous tenside solution with additives**Dangerous components:**

| | | |
|------------------------------------|--|--------|
| CAS: 367-51-1 EINECS: 206-696-4 | sodium mercaptoacetate solution   | 15-25% |
| CAS: 126-92-1 EINECS: 204-812-8 | Fatty alcohol sulfate   | < 5% |

(Contd. on page 2)

Trade name: SONAX WHEEL CLEANER PLUS ACID-FREE

(Contd. of page 1)

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

| | |
|--|------|
| anionic surfactants | < 5% |
| perfumes, Limonene, methylisothiazolinone, benzisothiazolinone | |

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: 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.

Induce vomiting only, if affected person is fully conscious.

Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

sensitization

Skin irritation

Eye irritation

Coughing

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: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: The normal measures for firefighting are to be taken.

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

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 Use only in well ventilated areas.

Information about fire - and explosion protection: No special measures required.

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 oxidizing agents.

Do not store together with alkalis (caustic solutions).

(Contd. on page 3)

Trade name: SONAX WHEEL CLEANER PLUS ACID-FREE

(Contd. of page 2)

Do not store together with acids.

Store away from foodstuffs.

Further information about storage conditions:

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

8.2 Exposure controls

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.

Avoid contact with the eyes and skin.

Respiratory protection:

Not required in normal cases

Ensure good ventilation/exhaustion at the workplace.

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:

Safety glasses

[EN 166]

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

| | |
|-------------------------|-----------------------|
| Form: | Fluid |
| Colour: | colorless - light red |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |

pH-value at 20 °C: 7 - 8

Change in condition

| | |
|-------------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 100 °C |

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

(Contd. on page 4)

Trade name: SONAX WHEEL CLEANER PLUS ACID-FREE

(Contd. of page 3)

| | |
|---|--|
| Upper: | Not determined. |
| Vapour pressure: | Not determined. |
| Density at 20 °C: | 1.11 - 1.12 g/cm ³ |
| 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 | 13 - 20 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 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:

367-51-1 sodium mercaptoacetate solution

| | | |
|------|------|--|
| Oral | LD50 | 200 - 500 mg/kg (rat) (OECD 423 (Conc. 46%)) |
|------|------|--|

| | | |
|--------|------|--|
| Dermal | LD50 | 1000-2000 mg/kg (rat) (OECD 402 (Conc. 98%)) |
|--------|------|--|

126-92-1 Fatty alcohol sulfate

| | | |
|------|------|-------------------|
| Oral | LD50 | >2000 mg/kg (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:

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

May cause slight, short-term eye complaints.

Sensitization:

Result: Causes sensitization

Species: mouse

Method: OECD 429

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

May cause sensitisation by skin contact.

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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.01.2013

Version: 2

Revision: 12.11.2012

Trade name: SONAX WHEEL CLEANER PLUS ACID-FREE

(Contd. of page 4)

Aquatic toxicity:**367-51-1 sodium mercaptoacetate solution**

| | |
|--------------|--|
| EC50 / 48h | 38 mg/l (Daphnia magna) (84/449/EWG (Subs. thioglycolic acid)) |
| EC50 / 72h | 13 mg/l (Pseudokirchneriella subcapitata) (OECD 201 (Subs. thioglycolic acid)) |
| LC 50 / 96 h | >100 mg/l (Oncorhynchus mykiss) (OECD 203 (Subs. thioglycolic acid)) |
| LC50 / 48h | 880 mg/l (Leuciscus idus) (DIN 38412 / 15 (Subs. thioglycolic acid)) |

126-92-1 Fatty alcohol sulfate

| | |
|-------|--|
| EC0 | >100 mg/l (bacteria) (OECD 209) |
| LC 50 | >100 mg/l (fish) (ISO 7346/2 (semistatic)) |

12.2 Persistence and degradability

The surface-active substances contained in the product meet the requirement of the EU Detergent Regulation (EC/648/2004) for ultimate biodegradability for surfactants in detergents.

367-51-1 sodium mercaptoacetate solution

| | |
|----------------|--|
| Biodegradation | 67 % (-) (28d OECD 301d (thioglycolic acid)) |
|----------------|--|

126-92-1 Fatty alcohol sulfate

| | |
|----------------|----------------------------------|
| Biodegradation | >60 % (-) (BSB/CSB (OECD 301)) |
|----------------|----------------------------------|

12.3 Bioaccumulative potential**367-51-1 sodium mercaptoacetate solution**

| | |
|---------|--|
| log POW | -2.99 log POW (-) (20 °C OECD 107 (thioglycolic acid)) |
|---------|--|

12.4 Mobility in soil No further relevant information available.**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

- 1) Disposal / product
- 2) Disposal / contaminated packaging

| | |
|-----------|--|
| 20 01 29* | detergents containing dangerous substances |
| 15 01 10* | packaging containing residues of or contaminated by dangerous substances |

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA
Class Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

(Contd. on page 6)

Trade name: SONAX WHEEL CLEANER PLUS ACID-FREE

(Contd. of page 5)

14.6 Special precautions for user Not applicable.

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.

Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

R21/22 Harmful in contact with skin and if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

Abbreviations and acronyms:

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = lethal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

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