

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

Printing date 01.06.2017

Version: 5

Revision: 24.02.2016

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

#### 1.1 Product identifier

**Trade name:** SONAX WORKSHOP AND TILE CLEANER EXTRA STRONG

**Article number:** 06146000.01, 06147050.06

#### 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 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](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 Regulation (EC) No 1272/2008

Met. Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

STOT SE 3 H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### 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



GHS05 GHS07

##### Signal word Danger

##### Hazard-determining components of labelling:

hydrochloric acid

##### Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P260 Do not breathe vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P310 Immediately call a POISON CENTER/doctor.

P501 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: aqueous tenside solution with acids

**Dangerous components:**

CAS: 7647-01-0 EINECS: 231-595-7 Reg.nr.: 01-2119484862-27-xxxx	hydrochloric acid ☠ Met. Corr. 1, H290; Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	25 - <50%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	5 - <10%
CAS: 69011-36-5	isotridecanol, ethoxylated (>5-20EO) ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	3 - <5%
CAS: 25307-17-9 EINECS: 246-807-3 Reg.nr.: 01-2119510876-35-xxxx	2,2'-(Octadec-9-enylimino)bisethanol ☠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	< 1.00%

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

non-ionic surfactants

&lt;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.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

**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 / Eye damage

Caustic effect on skin and mucous membranes.

**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**

Reacts with base metals forming hydrogen.

In case of fire, the following can be released:

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Hydrogen chloride (HCl)

### 5.3 Advice for firefighters

#### Protective equipment:

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.

### 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:

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.

Open and handle receptacle with care.

When diluting always pour product into water and not vice versa.

**Information about fire - and explosion protection:** The product is not flammable.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

**Requirements to be met by storerooms and receptacles:** Provide acid-resistant floor.

#### Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from metals.

Store away from oxidising agents.

Do not store together with alkalis (caustic solutions).

#### Further information about storage conditions:

Keep container tightly sealed.

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: 7647-01-0 hydrochloric acid

WEL (Great Britain)	Short-term value: 8 mg/m <sup>3</sup> , 5 ppm
	Long-term value: 2 mg/m <sup>3</sup> , 1 ppm (gas and aerosol mists)

IOELV (EU)	Short-term value: 15 mg/m <sup>3</sup> , 10 ppm
	Long-term value: 8 mg/m <sup>3</sup> , 5 ppm

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**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

WEL (Great Britain)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Sk
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IOELV (EU)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Skin
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Regulatory information WEL (Great Britain): EH40/2011

**DNELs****CAS: 7647-01-0 hydrochloric acid**

Inhalative	DNEL	15 mg/m <sup>3</sup> (worker short-term) 8 mg/m <sup>3</sup> (worker long-term)
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**CAS: 25307-17-9 2,2'-(Octadec-9-enylimino)bisethanol**

Oral	DNEL	0.179 mg/kg bw/day (consumer) (long-term exposure - systemic effects)
Dermal	DNEL	0.179 mg/kg bw/day (consumer) (long-term exposure - systemic effects) 0.25 mg/kg bw/day (worker) (long-term exposure - systemic effects)
Inhalative	DNEL	0.621 mg/m <sup>3</sup> (consumer) (long-term exposure - systemic effects) 1.76 mg/m <sup>3</sup> (worker) (long-term exposure - systemic effects)

**PNECs****CAS: 7647-01-0 hydrochloric acid**

PNEC	45 µg/l (sporadic release) 36 µg/l (STP) 36 µg/l (freshwater (Süßwasser)) 36 µg/l (sediment (sea water))
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**CAS: 25307-17-9 2,2'-(Octadec-9-enylimino)bisethanol**

PNEC	1.5 mg/l (sewage plant) 0.000214 mg/l (water (fresh water)) 0.000021 mg/l (water (sea water))
PNEC	1.692 mg/kg (sediment (fresh water)) 0.1692 mg/kg (sediment (sea water)) 5 mg/kg (soil)

**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:**

Ensure good ventilation/exhaustion at the workplace.

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

Filter B

[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)

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**Eye protection:**

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Tightly sealed goggles

[EN 166]

### SECTION 9: Physical and chemical properties

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

##### General Information

##### Appearance:

Form:	Fluid
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value at 20 °C: 0 - 1.0

##### Change in condition

Melting point/freezing point: Undetermined.  
Initial boiling point and boiling range:  $\geq 100$  °C

Flash point: Not applicable.

Flammability (solid, gas): Not applicable.

##### Ignition temperature:

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

##### Explosion limits:

Lower: Not determined.  
Upper: Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.04 - 1.05 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

When diluting, always add acid to water, never vice versa.

Reacts with alkali and metals.

10.4 Conditions to avoid See Section 7 for information on safe handling.

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**10.5 Incompatible materials:**

caustic solutions

strong oxidizing agents

**10.6 Hazardous decomposition products:** Hydrogen chloride (HCl)**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: 7647-01-0 hydrochloric acid**

Dermal | LD50 | &gt;5010 mg/kg (rabbit)

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

Oral | LD50 | 5135 mg/kg (rat)

Dermal | LD50 | 13000-14000 mg/kg (rabbit)

Inhalative | LC50 / 7h | &gt;500 mg/l (rat)

**CAS: 69011-36-5 isotridecanol,ethoxylated (>5-20EO)**

Oral | ATE | 500 mg/kg (Ratte)

**CAS: 25307-17-9 2,2'-(Octadec-9-enylimino)bisethanol**

Oral | LD50 | &gt; 300 - 2000 mg/kg (rat) (OECD 401)

**Primary irritant effect:****Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/irritation**

Causes severe skin burns and eye damage.

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

**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: 7647-01-0 hydrochloric acid**

LC50 / 96h | 24.6 mg/l (Lepomis macrochirus)

EC50 / 48h | 0.492 mg/l (Daphnia magna)

EC50 / 72h | 0.78 mg/l (Pseudokirchneriella subcapitata)

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

LC50 / 96h | &gt;10000 mg/l (Pimephales promelas)

EC50 / 48h | 1.919 mg/l (daphnia)

EC50 / 96 h | &gt;969 mg/l (Selenastrum capricornutum)

**CAS: 25307-17-9 2,2'-(Octadec-9-enylimino)bisethanol**

LC50 / 96h | &gt; 0.1 - 1 mg/l (fish)

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EC50 / 48h	> 0.01 -0.1 mg/l (daphnia)
EC50 / 72h	> 0.01 - 0.1 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC10 / 21 d	> 0.001 - 0.01 mg/l (Daphnia magna) (OECD 211)
EC10 / 72 h	> 0.01 - 0.1 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

**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.

**CAS: 34590-94-8 (2-methoxymethylethoxy)propanol**

Biodegradation 93 % (13d (OECD 302 B))

**CAS: 25307-17-9 2,2'-(Octadec-9-enylimino)bisethanol**

CSB 3880 mg/g

Biodegradation &gt; 60 % (OECD 301 D)

**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 does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

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****Recommendation** Waste must be disposed of while observing the local, official regulations.**European waste catalogue**

20 01 14\* acids

**Uncleaned packaging:**

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

**Recommendation:**

Packaging may be reused or recycled after cleaning.

15 01 02: plastic packaging

**Recommended cleansing agents:** Water**SECTION 14: Transport information****14.1 UN-Number**

ADR, IMDG, IATA UN1789

**14.2 UN proper shipping name**ADR 1789 HYDROCHLORIC ACID, solution  
IMDG, IATA HYDROCHLORIC ACID, solution**14.3 Transport hazard class(es)**

ADR, IMDG, IATA

**Class** 8 Corrosive substances.**Label** 8

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**14.4 Packing group**

ADR, IMDG, IATA II

**14.5 Environmental hazards:**

Marine pollutant: No

**14.6 Special precautions for user** Warning: Corrosive substances.**Transport/Additional information:****ADR**

Limited quantities (LQ) 1L

Transport category 2

Tunnel restriction code E

UN "Model Regulation": UN1789, HYDROCHLORIC ACID, solution, 8, II

**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 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**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**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)

DGR: Przepisy dotyczące towarów niebezpiecznych - Dangerous Goods Regulations by IATA

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = lethal Concentration

EC50 = half maximal effective concentraion

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

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3  
**\* Data compared to the previous version altered.**

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