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

Printing date 29.05.2020 *Version: 2.00* *Revision: 05.08.2019*

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

1.1 Product identifier

Trade name: SONAX RIM CLEANER ACIDIC CONCENTRATE

Article number:
06516000, 06517050, 06519000
UFI: SWE3-A03K-X00C-DE2K
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
Phone: + +49 (0) 8431 53 217

1.4 Emergency telephone number: Emergency Phone Munich Tel.: +49 (0)89 19240

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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.

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

Signal word Danger

Hazard-determining components of labelling:
phosphoric acid
hydrochloric acid
l-(+)-lactic acid
Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
Precautionary statements
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.
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.
2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

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vPvB: *Not applicable.*

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SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: *aqueous tenside solution with acids*

Dangerous components:		
CAS: 7664-38-2 *EINECS: 231-633-2* *Reg.nr.: 01-2119485924-24-xxxx*	*phosphoric acid* *Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302* *Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 %* *Skin Irrit. 2; H315: 10 % ≤ C < 25 %* *Eye Irrit. 2; H319: 10 % ≤ C < 25 %*	*15-<20%*
CAS: 69011-36-5	*isotridecanol,ethoxylated (>5-20EO)* *Eye Dam. 1, H318; Acute Tox. 4, H302* *Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 %* *Eye Irrit. 2; H319: 1 % ≤ C < 10 %*	*5-<10%*
CAS: 7647-01-0 *EINECS: 231-595-7* *Reg.nr.: 01-2119484862-27-xxxx*	*hydrochloric acid* *Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335* *Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 %* *Skin Irrit. 2; H315: 10 % ≤ C < 25 %* *Eye Irrit. 2; H319: 10 % ≤ C < 25 %* *STOT SE 3; H335: C ≥ 10 %*	*5-<10%*
CAS: 79-33-4 *EINECS: 201-196-2* *Reg.nr.: 01-2119474164-39-xxxx*	*l-(+)-lactic acid* *Eye Dam. 1, H318; Skin Irrit. 2, H315*	*3-<5%*
CAS: 15763-76-5 *EINECS: 239-854-6* *Reg.nr.: 01-2119489411-37-xxxx*	*sodium-p-cumene sulphonate* *Alternative CAS number: 28348-53-0* *Eye Irrit. 2, H319*	*1-<3%*

Regulation (EC) No 648/2004 on detergents / Labelling for contents	
non-ionic surfactants	*≥5 - <15%*
cationic surfactants	*<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.

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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
In case of fire, the following can be released:
Hydrogen chloride (HCl)
Phosphorus oxides (e.g. P2O5)
5.3 Advice for firefighters
Protective equipment:
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
Do not enter the hazardous area without a self-contained breathing apparatus.
See Section 8 for information on personal protection equipment.
Additional information
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
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.
Do not store together with alkalis (caustic solutions).
Store away from metals.
Further information about storage conditions:
Store receptacle in a well ventilated area.
Keep container tightly sealed.
Protect from frost.
Recommended storage temperature: 20 °C.
7.3 Specific end use(s) *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
CAS: 7664-38-2 phosphoric acid	
WEL (Great Britain)	Short-term value: 2 mg/m³ Long-term value: 1 mg/m³
IOELV (EU)	Short-term value: 2 mg/m³ Long-term value: 1 mg/m³
CAS: 7647-01-0 hydrochloric acid	
WEL (Great Britain)	Short-term value: 8 mg/m³, 5 ppm Long-term value: 2 mg/m³, 1 ppm (gas and aerosol mists)
IOELV (EU)	Short-term value: 15 mg/m³, 10 ppm Long-term value: 8 mg/m³, 5 ppm

Regulatory information
WEL (Great Britain): EH40/2018
IOELV (EU): (EU) 2017/164

DNELs		
CAS: 7664-38-2 phosphoric acid		
Inhalative	DNEL	10.7 mg/m³ (worker) (longterm systematic effects)
CAS: 7647-01-0 hydrochloric acid		
Inhalative	DNEL	8 mg/m³ (consumer) (chronic locale effects) 15 mg/m³ (worker) (chronic locale effects)
CAS: 15763-76-5 sodium-p-cumene sulphonate		
Oral	DNEL	3.8 mg/kg bw/day (consumer) (longterm systematic effects)
Dermal	DNEL	3.8 mg/kg bw/day (consumer) (longterm systematic effects) 7.6 mg/kg bw/day (worker) (longterm systematic effects)
Inhalative	DNEL	13.2 mg/m³ (consumer) (longterm systematic effects) 53.6 mg/m³ (worker) (longterm systematic 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 (water (sea water))
CAS: 79-33-4 l-(+)-lactic acid	
PNEC	10 mg/l (STP) 1.3 mg/l (water)

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 P2
[DIN EN 14387]

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Protection of hands: Protective gloves
Material of gloves
Chloroprene rubber, CR
Recommended thickness of the material: ≥ 0.65 mm
[EN 374]
Penetration time of glove material Value for the permeation: Level 6 (≥480min)
Eye protection:

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:	Light yellow
Odour:	Slightly stinging
Odour threshold:	Not determined.
pH-value at 20 °C:	-1.0 - 0.0
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	≥100 °C
Flash point:	Not applicable.
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:	1.13 - 1.14 g/cm³
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 - 12 s (DIN EN ISO 2431/4mm)
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.
10.5 Incompatible materials:
Store away from metals.

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caustic solutions
strong oxidizing agents
10.6 Hazardous decomposition products:
Corrosive gases/vapours
Hydrogen chloride (HCl)
Phosphorus oxides (e.g. P2O5)

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: 7664-38-2 phosphoric acid		
Dermal	LD50	2,740 mg/kg (rabbit)
CAS: 69011-36-5 isotridecanol,ethoxylated (>5-20EO)		
Oral	ATE	500 mg/kg (Ratte)
CAS: 79-33-4 l-(+)-lactic acid		
Oral	LD50	3,543 mg/kg (rate (female))
		4,936 mg/kg (rat (male))
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50	7.94 mg/l (rat (male))
	LC50 / 4h	7.94 mg/l (rat (male))
CAS: 15763-76-5 sodium-p-cumene sulphonate		
Oral	LD50	>7,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)

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.

Repeated dose toxicity		
CAS: 15763-76-5 sodium-p-cumene sulphonate		
Oral	NOAEL	>936 mg/kg (rat)
	NOAEL 90-92d	>440 mg/kg/d (OECD 411 Subcronic Dermal Toxicity: 90-day Stucy)

CMR effects (carcinogenity, 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 Based on available data, the classification criteria are not met.

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: 7664-38-2 phosphoric acid	
LC50 / 96h	3-3.25 mg/l (Lepomis macrochirus)
EC50 / 48h	>100 mg/l (Daphnia magna)
EC50 / 72h	>100 mg/l (Desmodesmus subspicatus)

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CAS: 7647-01-0 hydrochloric acid	
LC50 / 96h	20.5 mg/l (Lepomis macrochirus)
EC50 / 48h	0.45 mg/l (fish)
	0.23 mg/l (bacteria)
ErC 50 / 72h	0.73 mg/l (Chlorella vulgaris)
CAS: 79-33-4 l-(+)-lactic acid	
LC50 / 96h	130 mg/l (Oncorhynchus mykiss)
	320 mg/l (Danio rerio)
EC50/3h	>88.2 mg/l (activated sludge)
EC50 / 48h	130 mg/l (Daphnia magna)
EL0 / 72h	3,500 mg/l (Pseudokirchneriella subcapitata)
CAS: 15763-76-5 sodium-p-cumene sulphonate	
LC50 / 96h	>1,000 mg/l (fish) (EPA OPPTS EPA OTS 797)
EC50/3h	>1,000 mg/l (bacteria) (OECD 209)
EC50 / 48h	>1,000 mg/l (Daphnia magna) (EPA OPPTS EPA OTS 797)
	>100 mg/l (daphnia) (OECD 202)
EC50 / 96 h	>230 mg/l (algae) (EPA OPPTS EPA OTS 797)
NOEC 96h	31 mg/l (algae) (EPA OPPTS)

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

CAS: 15763-76-5 sodium-p-cumene sulphonate	
Biodegradiation	60-100 % (OECD 301 B Ready Biodegradability -. CO2 Evolution)

12.3 Bioaccumulative potential No further relevant information available.
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.
The product does not contain organically bounded halogens (AOX-free).
The product does not contain organic complexing agents.
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
Waste classified as hazardous according to Annex III to Directive 2008/98/EC.
Recommendation Waste must be disposed of while observing the local, official regulations.

European waste catalogue	
20 01 29*	detergents containing hazardous substances

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 UN3264

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14.2 UN proper shipping name

ADR	3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID)
IMDG, IATA	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID)

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class	8 Corrosive substances.
Label	8

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

Transport category	2
Tunnel restriction code	E

UN "Model Regulation": UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, HYDROCHLORIC ACID), 8, II

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
European Directives:
EC/1907/2006 (REACh)
EC/1272/2008 (CLP)
EC/648/2004

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
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Classification according to Regulation (EC) No 1272/2008	
Corrosive to metals	On basis of test data
Skin corrosion/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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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 = letal 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
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
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 1.00.*
**** Data compared to the previous version altered.***