SONAX®

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

Printing date 14.12.2023 *Version: 6.00 (replaces version 5.00)* *Revision: 01.07.2022*

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

1.1 Product identifier

Trade name: SONAX Molecular

Article number:
06685000, 06686000, 06687050
UFI: *HR70-Q0W3-500S-C412*
1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture
Car care product
Professional uses
Uses advised against *Consumer uses: Private households / general public / consumers*

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
United Kingdom:
Anglo American Oil Company Ltd
58 Holton Road, Holton Heath Trading Park, Poole, Dorset, BH16 6LT
Telephone: (+44) 01929 551557
Email: info@aaoil.co.uk

1.4 Emergency telephone number:
European Union: ***+49 (0) 89 19240*** *(Poison Centre Munich)*
United Kingdom: ***0344 892 0111*** *(UK NPIS)*
Members of Public in England, Scotland and Wales can contact NHS 111/NHS 24 by dialling 111
In Northern Ireland, contact your local GP

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2	*H315 Causes skin irritation.*
Eye Irrit. 2	*H319 Causes serious eye 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 GB CLP regulation.
Hazard pictograms

GHS07

Signal word *Warning*
Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements

P280	*Wear protective gloves/eye protection.*
P302+P352	*IF ON SKIN: Wash with plenty of 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.*
P332+P313	*If skin irritation occurs: Get medical advice/attention.*

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P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:
EUH208 Contains dipentene. May produce an allergic reaction.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT:
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.
Determination of endocrine-disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: aqueous tenside solution with additives

Dangerous components:		
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28-xxxx	3-butoxypropan-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-<10%
CAS: 94095-35-9 EC No 931-216-1 Reg.nr.: 01-2119472309-33-xxxx	9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized Alternative CAS number: 157905-74-3 Skin Irrit. 2, H315; Eye Irrit. 2, H319 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 28 % Eye Irrit. 2; H319: C ≥ 28 %	5-<10%
CAS: 69011-36-5 EC No 931-138-8	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: 9004-78-8 NLP: 500-013-6	Phenol polyethoxylate Acute Tox. 4, H302; Eye Irrit. 2, H319	5-<10%
CAS: 61791-26-2 NLP: 500-153-8	Tallow alkylamine ethoxylate Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Skin Irrit. 2, H315	<1%
CAS: 138-86-3 EINECS: 205-341-0	dipentene Flam. Liq. 3, H226; Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.25%

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: 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.
If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. Then 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
Eye irritation
Skin irritation
Allergic reactions

(Contd. on page 3)

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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 No further relevant information available.
5.3 Advice for firefighters
Protective equipment:
The normal measures for firefighting are to be taken.
Do not enter the hazardous area without a self-contained breathing apparatus.
See Section 8 for information on personal protection equipment.
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
For non-emergency personnel
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with the eyes and skin.
For emergency responders 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 section 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 No special precautions are necessary if used correctly.
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 foodstuffs.
Observe local/state/federal regulations.
Further information about storage conditions:
Protect from frost.
Recommended storage temperature: 20 °C.
Protect from heat and direct sunlight.
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:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
CAS: 5131-66-8 3-butoxypropan-2-ol		
Oral	DNEL	12.5 mg/kg (consumer) (longterm systematic effects)

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Dermal	DNEL	22 mg/kg (consumer) (longterm systematic effects)
		52 mg/kg (worker) (longterm systematic effects)
Inhalative	DNEL	43 mg/m³ (consumer) (longterm systematic effects)
		147 mg/m³ (worker) (longterm systematic effects)

PNECs	
CAS: 5131-66-8 3-butoxypropan-2-ol	
PNEC	10 mg/l (sewage plant)
	5.25 mg/l (sporadic release)
	0.525 mg/l (water (fresh water))
	0.0525 mg/l (water (sea water))
PNEC	2.36 mg/kg (sediment (fresh water))
	0.236 mg/kg (sediment (sea water))
	0.16 mg/kg (soil)
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	
PNEC	2.96 mg/l (sewage plant)
	0.00191 mg/l (water (fresh water))
	0.000191 mg/l (water (sea water))
PNEC	0.58 mg/kg (sediment (fresh water))
	0.058 mg/kg (sediment (sea water))

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

8.2 Exposure controls
Individual protection measures, such as 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:
Not required in normal cases
Ensure good ventilation/exhaustion at the workplace.
Hand protection Protective gloves
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 (≥480min)
Eye/face protection
Safety glasses
[EN 166]

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Fluid
Colour:	Yellow
Odour:	Fruit-like
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	100 °C (CAS: 7732-18-5 water)
Flammability	Product is not flammable.
Lower and upper explosion limit	
Lower:	Not applicable
Upper:	Not applicable
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH at 20 °C	4.5-5.5

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Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm²/s
Solubility	
water:	Partly miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	23 hPa (CAS: 7732-18-5 water)
Density and/or relative density	
Density at 20 °C:	0.98-1 g/cm³
Vapour density	Not determined.

9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not determined.

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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: No known incompatible materials.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
CAS: 5131-66-8 3-butoxypropan-2-ol		
Oral	LD50	3,300 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	>3.5 mg/l (rat) (OECD 403)

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CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
CAS: 69011-36-5 isotridecanol,ethoxylated (>5-20EO)		
Oral	LD50	>300-2,000 mg/kg (rat) (OECD 423)
	ATE	>300-2,000 mg/kg (rat)
CAS: 9004-78-8 Phenol polyethoxilate		
Oral	LD50	500-2,000 mg/kg (rat) (OECD 423)
Dermal	LD50	2,140 mg/kg (rabbit)
CAS: 61791-26-2 Tallow alkylamine ethoxylate		
Oral	LD50	>300-2,000 mg/kg (rat)
CAS: 138-86-3 dipentene		
Oral	LD50	5,600 mg/kg (rat)

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation
Contains dipentene. May produce an allergic reaction.
Based on available data, the classification criteria are not met.

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.

Additional toxicological information:

Repeated dose toxicity		
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized		
Oral	NOAEL	1,000 mg/kg (rat)
		300 mg/kg (Ratte)

11.2 Information on other hazards
Endocrine disrupting properties
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with health effects.

None of the ingredients is listed.

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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:	
CAS: 5131-66-8 3-butoxypropan-2-ol	
LC50 / 96h	>560-1,000 mg/l (Poecilla reticulata) (OECD 203)
EC50/3h	>1,000 mg/l (activated sludge) (OECD 209)
EC50 / 48h	>1,000 mg/l (Daphnia magna) (OECD 202)
EC50 / 96 h	>1,000 mg/l (Pseudokirchneriella subcapitata)
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	
LC50 / 96h	1.91 mg/l (fish) (OECD 203)

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EC50 / 48h	2.23 mg/l (daphnia) (EU Method C.2)
EC50 / 72h	2.14 mg/l (algae) (OECD 201)
EC10 / 72 h	1.48 mg/l (algae) (OECD 201)
CAS: 9004-78-8 Phenol polyethoxilate	
LC50 / 96h	>100 mg/l (fish) (OECD 203)
EC50	>128 mg/kg (Daphnia magna) (OECD 202)
CAS: 61791-26-2 Tallow alkylamine ethoxylate	
LC50 / 96 h	0.13 mg/l (Oncorhynchus mykiss)
EC50 / 48h	0.17 mg/l (Daphnia magna)
EC10 / 21 d	>0.001-0.01 mg/l (Daphnia magna)
CAS: 138-86-3 dipentene	
LC50 / 96h	38.5 mg/l (Pimephales promelas)
LC50 / 48h	31 mg/l (Daphnia magna)
EC50 / 48h	28.2 mg/l (Daphnia magna)
EC50 / 96 h	20.2 mg/l (Pimephales promelas)
IC50 / 96h	13.798 mg/l (Pseudokirchneriella subcapitata)

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: 5131-66-8 3-butoxypropan-2-ol	
Biodegradation	90 % (OECD301E/92/69/EWG, C4.-B)
CAS: 94095-35-9 9-octadecenoic acid (Z)-, reaction products with triethanolamine, di-Me sulfate-quaternized	
Biodegradation	>60 % (OECD 301 B Ready Biodegradability -. CO2 Evolution)
CAS: 9004-78-8 Phenol polyethoxilate	
Biodegradation	>60 % (OECD 311)

12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT:
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as PBT
vPvB:
According to information provided in the supply chain, the mix conatins less than 0.1% of any substances classified as vPvB
12.6 Endocrine disrupting properties
According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.
The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects
Additional ecological information:
General notes:
The product may not be released into the environment without control.
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.

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	
07 06 04*	other organic solvents, washing liquids and mother liquors
HP4	Irritant - skin irritation and eye damage
HP14	Ecotoxic

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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 or ID number **ADR/RID/ADN, IMDG, IATA**	Void
14.2 UN proper shipping name **ADR/RID/ADN, IMDG, IATA**	Void
14.3 Transport hazard class(es) **ADR/RID/ADN, ADN, IMDG, IATA** **Class**	Void
14.4 Packing group **ADR/RID/ADN, IMDG, IATA**	Void
14.5 Environmental hazards: **Marine pollutant:**	No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
UN "Model Regulation":	Void

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
European Directives:
Directive 2010/75/EU (VOC) *10.62 %*
Catégorie SEVESO (DIRECTIVE 2012/18/EU) *not subject to*
REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

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.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

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H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008	
Skin corrosion/irritation Serious eye damage/irritation Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Date of previous version: 25.05.2022
Version number of previous version: 5.00
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)
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 relatif au transport international 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 (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IOELV = indicative occupational exposure limit values
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
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
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
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.**