Safety data sheet
according to UK REACH

Printing date 19.09.2024 Version: 2.00 (replaces version 1.01) Revision: 15.09.2021

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

1.1 Product identifier

Trade name: SONAX PROFILINE CeramicCoating Evo (SONAX PROFILINE Prepare EVO)

Article number:
02379410 (B02370410)
UFI: HJR0-U0W4-H00T-2X7X

1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture
Car care product
Cleaning material/ Detergent
Professional uses
Consumer uses: Private households / general public / consumers
Uses advised against There is currently no information available on this.

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

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SECTION 2: Hazards identification

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

Aerosol 1	H222 Extremely flammable aerosol.
	H229 Pressurised container: May burst if heated.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.
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

GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:
C9-10 Alkane/Cycloalkane
propan-2-ol
Hazard statements
H222 Extremely flammable aerosol.

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H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:
EUH066 Repeated exposure may cause skin dryness or cracking.
Buildup of explosive mixtures possible without sufficient ventilation.

Labelling of packages where the contents do not exceed 125 ml
Marking container <125 ml deviates. Reduced labeling according article 29 and annex I, no. 1.5 GB CLP-regulation is used.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Preparation of propellent and solvents

Dangerous components:		
EC No 927-241-2 Reg.nr.: 01-2119471843-32-xxxx	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics Alternative CAS number: 64742-48-9 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412, EUH066	50-<75%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	15-<20%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-<15%

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CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-<10%
EC No 918-167-1 Reg.nr.: 01-2119472146-39-xxxx	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics Alternative CAS numbers: 90622-57-4, 64742-48-9 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413	3-<5%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	3-<5%

Regulation (EC) No 648/2004 on detergents / Labelling for contents	
aliphatic hydrocarbons	≥30%

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.
Remove soiled clothing
In any cases of doubt or if symptoms are present, seek medical advice.
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
Headache
Dizziness
Nausea
Drowsiness
Eye irritation
Reddening, drying and crack formation of the skin
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

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:
Foam
Carbon dioxide
Fire-extinguishing powder
Water haze
For safety reasons unsuitable extinguishing agents: Water with full jet
5.2 Special hazards arising from the substance or mixture
Can form explosive gas-air mixtures.
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO2)
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.

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See Section 8 for information on personal protection equipment.
Additional information
Cool endangered receptacles with water spray.
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
Do not inhale gases / fumes / aerosols.
For non-emergency personnel
Avoid contact with the eyes and skin.
The usual precautionary measures are to be adhered to when handling chemicals.
For emergency responders Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
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 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
Ensure good ventilation/exhaustion at the workplace.
Buildup of explosive mixtures possible without sufficient ventilation.
Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
Highly volatile, flammable constituents are released during processing.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Prevent any seepage into the ground.
Provide solvent resistant, sealed floor.
Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility:
Store away from foodstuffs.
Observe local/state/federal regulations.
Further information about storage conditions:
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
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: 67-63-0 propan-2-ol	
WEL (Great Britain)	Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm
OEL (Ireland)	Short-term value: 400 ppm Long-term value: 200 ppm Sk
CAS: 106-97-8 butane	
WEL (Great Britain)	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
OEL (Ireland)	Short-term value: 1000 ppm
CAS: 74-98-6 propane	
OEL (Ireland)	Asphx
CAS: 75-28-5 isobutane	
OEL (Ireland)	Short-term value: 1000 ppm

Regulatory information
WEL (Great Britain): EH40/2020
OEL (Ireland): 2020 CoP for the Safety, Health and Welfare at Work

DNELs		
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	DNEL	125 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects)
Dermal	DNEL	125 mg/kg bw/day (consumer) (ChronicExposure, SystemiEffects)
		208 mg/kg bw/day (worker) (ChronicExposure, SystemicEffects)
Inhalative	DNEL	185 mg/m³ (consumer) (ChronicExposure, SystemicEffects)
		871 mg/m³ (worker) (ChronicExposure, SystemicEffects)
CAS: 67-63-0 propan-2-ol		
Oral	DNEL	26 mg/kg (consumer) (chornic effects (1d))
Dermal	DNEL	319 mg/kg (consumer) (chronic effects (1d))
		888 mg/kg (worker) (chronic effects (1d))
Inhalative	DNEL	89 mg/m³ (consumer) (chronic effects)
		500 mg/m³ (worker) (chronic effects)

PNECs	
CAS: 67-63-0 propan-2-ol	
PNEC	140.9 mg/l (sporadic release)
	2,251 mg/l (STP)
	140.9 mg/l (water (fresh water))
	140.9 mg/l (water (sea water))
PNEC	28 mg/kg (gro)
	552 mg/kg (sediment)

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.
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.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.

(Contd. on page 6)

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Respiratory protection:
If the occupational exposure limit is exceeded:
The following breathing protection is recommended:
Respiratory filter for organic gases and vapours (Type A)
[DIN EN 14387]
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:	*Colourless*
Odour:	*Solvent-like*
Melting point/freezing point:	*Undetermined.*
Boiling point or initial boiling point and boiling range	*82 °C (CAS: 67-63-0 propan-2-ol)*
Flammability	*Extremely flammable aerosol.*
Lower and upper explosion limit	
Lower:	*0.6 Vol % (Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics)*
Upper:	*13 Vol % (CAS: 67-63-0 propan-2-ol)*
Flash point:	*Not applicable, as aerosol.*
Decomposition temperature:	*Not determined.*
pH	*Not applicable.*
Viscosity:	
Kinematic viscosity at 40 °C	*<20.5 mm²/s (Active ingredient data)*
Solubility	
water:	*Not miscible or difficult to mix.*
Partition coefficient n-octanol/water (log value)	*Not determined.*
Vapour pressure at 20 °C:	*2,100 hPa (CAS: 106-97-8 butane)*
Density and/or relative density	
Density at 20 °C:	*0.75-0.76 g/cm³ (Active ingredient data)*

9.2 Other information

Appearance:	
Form:	*Aerosol*
Important information on protection of health and environment, and on safety.	
Ignition temperature:	*Not determined.*
Explosive properties:	*In use, may form flammable/explosive vapour-air mixture.*
Change in condition	
Evaporation rate	*Not determined.*

Information with regard to physical hazard classes

Explosives	*Void*
Flammable gases	*Void*
Aerosols	*>85% (percent by mass) flammable components, combustion energy >30 kJ/g* *Extremely flammable aerosol.* *Pressurised container: May burst if heated.*
Oxidising gases	*Void*
Gases under pressure	*Void*

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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 Develops readily flammable gases/fumes.
10.4 Conditions to avoid
An increase in pressure may lead to bursting.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
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 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:		
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50 / 4h	>4,951 mg/m³ (rat) (OECD 403)
CAS: 67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50 / 6 h	>25 mg/l (rat) (OECD 403)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics		
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50 / 4h	>5,000 mg/m³ (rat) (OECD 403)

Skin corrosion/irritation
Long-term exposure causes slight irritation of the skin.
Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation
May cause slight, short-term eye complaints.
Causes serious eye irritation.

Respiratory or skin sensitisation 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.

(Contd. on page 8)

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STOT-single exposure May cause drowsiness or dizziness.

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:

Values relevant for classification:		
CAS: 67-63-0 propan-2-ol		
Oral	NOAEL	400 mg/kg/day (rat)

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.

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, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LL50 / 96h	>10-<30 mg/l (Oncorhynchus mykiss)
EL50 / 48h	>22-<46 mg/l (Daphnia magna)
EL50 / 72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
NOELR 72 h	<1 mg/l (Pseudokirchneriella subcapitata)
CAS: 67-63-0 propan-2-ol	
LC50 / 96h	9,640 mg/l (Pimephales promelas)
LC50 / 24h	9,714 mg/l (daphnia)
EC50	>100 mg/l (bacteria)
EC50 / 72h	>100 mg/l (algae)
LOEC	1,000 mg/l (algae)
CAS: 106-97-8 butane	
LC50 / 96 h	27.98 mg/l (fish)
EC50 / 4 d	7.71 mg/l (algae)
CAS: 74-98-6 propane	
LC50 / 96 h	27.98 mg/l (fish)
EC50 / 96 h	7.71 mg/l (algae)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	
LLO 96 h	1,000 mg/l (Oncorhynchus mykiss)
NOELR 72 h	>1,000 mg/l (Pseudokirchneriella subcapitata)
NOELR 21d	≥1 mg/l (Daphnia magna)
NOEC / 28d	0.209 mg/l (Oncorhynchus mykiss)
ELO 48 h	>1,000 mg/l (Daphnia magna)
ELO 72 h	>1,000 mg/l (Pseudokirchneriella subcapitata)
CAS: 75-28-5 isobutane	
LC50 / 96 h	27.98 mg/l (fish)
EC50 / 4 d	7.71 mg/l (algae)

12.2 Persistence and degradability	
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Biodegradation	89 % (28d)
CAS: 67-63-0 propan-2-ol	
Biodegradation	53 %

12.3 Bioaccumulative potential No further relevant information available.

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(Contd. of page 8)

12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment Not applicable.
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.
12.7 Other adverse effects
Additional ecological information:
General notes: The product may not be released into the environment without control.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Waste must be disposed of while observing the local, official regulations.
European waste catalogue
Disposal / product + Disposal / contaminated packaging

15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP3	Flammable
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID/ADN, IMDG, IATA UN1950

14.2 UN proper shipping name
ADR/RID/ADN 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR/RID/ADN

Class 2 5F Gases.
Label 2.1

IMDG, IATA

Class 2.1 Gases.
Label 2.1

14.4 Packing group
ADR/RID/ADN, IMDG, IATA Void

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14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user see Sections 6-8
Warning: Gases.

Transport/Additional information:

ADR/RID/ADN
Limited quantities (LQ) 1L
Transport category 2
Tunnel restriction code D

UN "Model Regulation": UN 1950 AEROSOLS, 2.1

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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) 100.00 %
Catégorie SEVESO (DIRECTIVE 2012/18/EU) P3a FLAMMABLE AEROSOLS
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
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No 1272/2008	
Aerosols, Section 2.3.1	On basis of test data
Serious eye damage/irritation Specific target organ toxicity (single exposure) 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: 22.04.2021
Version number of previous version: 1.01
Abbreviations and acronyms:
vPvB: very persistent and very bioaccumulative
PBT: persistent, bioaccumulative, toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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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. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
: Aerosols – Category 3
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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

Safety data sheet
according to UK REACH

Printing date 19.09.2024 Version: 2.01 (replaces version 2.00) Revision: 25.11.2021

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

1.1 Product identifier

Trade name: SONAX PROFILINE CeramicCoating Evo (SONAX PROFILINE Basecoat EVO)

Article number:
02379410 (B02379410), 02379411-150
UFI: 8SN3-T0AC-E00X-9QPR
1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture
Car care product
Sealing
Consumer uses: Private households / general public / consumers
Professional uses
Uses advised against There is currently no information available on this.

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
Aerosol 1 H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

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

GHS02

Signal word Danger
Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
Precautionary statements
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.

(Contd. on page 2)

(Contd. of page 1)

P271 Use only outdoors or in a well-ventilated area.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Formulation consisting of pressurised gas, alcohol and additives.

Dangerous components:		
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	25-<50%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	1-<3%
CAS: 112-53-8 EINECS: 203-982-0 Reg.nr.: 01-2119485976-15-xxxx	Lauryl alcohol Aquatic Acute 1, H400 (M=1); Aquatic Chronic 2, H411; Eye Irrit. 2, H319	1-<3%

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.
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.
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
No further relevant information available.

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.

(Contd. on page 3)

(Contd. of page 2)

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
Foam
Fire-extinguishing powder
Carbon dioxide
Water spray
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 (CO)
Carbon dioxide (CO2)
Silicon oxides
Develops readily flammable gases/fumes.
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
Cool endangered receptacles with water spray.
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
For non-emergency personnel
Do not inhale gases / fumes / aerosols.
The usual precautionary measures are to be adhered to when handling chemicals.
For emergency responders Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
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 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 Ensure good ventilation/exhaustion at the workplace.
Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
Highly volatile, flammable constituents are released during processing.
Fumes can combine with air to form an explosive mixture.

(Contd. on page 4)

(Contd. of page 3)

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Prevent any seepage into the ground.
Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility:
Store away from foodstuffs.
Observe local/state/federal regulations.
Further information about storage conditions:
Protect from heat and direct sunlight.
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
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: 64-17-5 ethanol	
WEL (Great Britain)	*Long-term value: 1920 mg/m³, 1000 ppm*
OEL (Ireland)	*Short-term value: 1000 ppm*
CAS: 106-97-8 butane	
WEL (Great Britain)	*Short-term value: 1810 mg/m³, 750 ppm* *Long-term value: 1450 mg/m³, 600 ppm* *Carc (if more than 0.1% of buta-1.3-diene)*
OEL (Ireland)	*Short-term value: 1000 ppm*
CAS: 74-98-6 propane	
OEL (Ireland)	*Asphx*
CAS: 75-28-5 isobutane	
OEL (Ireland)	*Short-term value: 1000 ppm*

Regulatory information
WEL (Great Britain): EH40/2020
OEL (Ireland): 2020 CoP for the Safety, Health and Welfare at Work

DNELs		
CAS: 64-17-5 ethanol		
Oral	*DNEL*	*87 mg/kg (consumer) (long-term exposure - systemic effects)*
Dermal	*DNEL*	*206 mg/kg bw/day (consumer) (long-term exposure - systemic effects)*
		343 mg/kg bw/day (worker) (lon-term exposure - systemic effects)
Inhalative	*DNEL*	*950 mg/m³ (consumer) (acute short-tem exposure - local effects)*
		1,900 mg/m³ (worker) (acute short-tem exposure - local effects)
	DNEL	*114 mg/m³ (consumer) (long-term exposure - systemic effects)*
		950 mg/m³ (worker) (long-term exposure - systemic effects)
CAS: 112-53-8 Lauryl alcohol		
Oral	*DNEL*	*44.5 mg/kg bw/day (consumer) (longterm systematic effects)*
Dermal	*DNEL*	*44.5 mg/bw/day (consumer) (longterm systematic effects)*
	DNEL	*89 mg/kg bw/day (worker) (longterm systematic effects)*
Inhalative	*DNEL*	*77 mg/m³ (consumer) (longterm systematic effects)*
		313 mg/m³ (worker) (longterm systematic effects)
	DNEL	*155 mg/m³ (worker) (longterm local effects)*

PNECs	
CAS: 64-17-5 ethanol	
PNEC	*2.75 mg/l (sporadic release)* *580 mg/l (STP)*

(Contd. on page 5)

(Contd. of page 4)

	0.96 mg/l (water (fresh water))
	0.79 mg/l (water (sea water))
PNEC	3.6 mg/kg (sediment (fresh water))
	2.9 mg/kg (sediment (sea water))
	0.63 mg/kg (soil)
CAS: 112-53-8 Lauryl alcohol	
PNEC	0.001 mg/l (water (fresh water))
PNEC	0.666 mg/kg (sediment (fresh water))
	0.067 mg/kg (sediment (sea water))
	0.132 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.
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.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Respiratory protection:
If the occupational exposure limit is exceeded:
The following breathing protection is recommended:
Respiratory filter for organic gases and vapours (Type A)
[DIN EN 14387]
Hand protection Not required in normal cases.
Eye/face protection Not required in normal cases

*
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Physical state	Fluid
Colour:	Colourless
Odour:	Odourless
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	78 °C (CAS: 64-17-5 ethanol)
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
Lower:	3.5 Vol % (CAS: 64-17-5 ethanol)
Upper:	15 Vol % (CAS: 64-17-5 ethanol)
Flash point:	Not applicable, as aerosol.
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm²/s (Active ingredient data)
Solubility	
water:	Partly miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	59 hPa (CAS: 64-17-5 ethanol)
Density and/or relative density	
Density at 20 °C:	0.83-0.85 g/cm³
Relative density	Not determined.
9.2 Other information	No further relevant information available.

(Contd. on page 6)

(Contd. of page 5)

Appearance:	
Form:	Aerosol
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	In use, may form flammable/explosive vapour-air mixture.
Change in condition	
Evaporation rate	Not applicable.

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	>85% (percent by mass) flammable components, combustion energy >30 kJ/g Extremely flammable aerosol. Pressurised container: May burst if heated.
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 Develops readily flammable gases/fumes.
10.4 Conditions to avoid
An increase in pressure may lead to bursting.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
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 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: 64-17-5 ethanol		
Oral	LD50	10,470 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (mouse)
CAS: 112-53-8 Lauryl alcohol		
Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit)

(Contd. on page 7)

(Contd. of page 6)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

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

CAS: 64-17-5 ethanol		
Oral	NOAEL	1,760 mg/kg (rat) (OECD 408, 90d, target organ: liver)

Values relevant for classification:		
CAS: 112-53-8 Lauryl alcohol		
Oral	NOAEL	2,000 mg/kg/day (rat) (OECD 422)

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.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:		
CAS: 64-17-5 ethanol		
	LC50 / 48h	8,140 mg/l (Leuciscus idus)
	EC50 / 48h	>1,000 mg/l (Daphnia magna)
	EC50 / 72h	275 mg/l (Chlorella vulgaris)
CAS: 106-97-8 butane		
	LC50 / 96 h	27.98 mg/l (fish)
	EC50 / 4 d	7.71 mg/l (algae)
CAS: 74-98-6 propane		
	LC50 / 96 h	27.98 mg/l (fish)
	EC50 / 96 h	7.71 mg/l (algae)
CAS: 75-28-5 isobutane		
	LC50 / 96 h	27.98 mg/l (fish)
	EC50 / 4 d	7.71 mg/l (algae)
CAS: 112-53-8 Lauryl alcohol		
Inhalative	LC50/1	>71 mg/L (rat)
	LC50 / 96 h	>1-10 mg/l (Pimephales promelas)
	EC0 30 min	>10,000 mg/l (Pseudomonas putida)
	EC50 / 48h	>0.1-1 mg/l (Daphnia magna) (OECD 202)
	ErC 50 / 72h	>0.1-1 mg/l (Desmodesmus subspicatus) (OECD 201)
	NOEC / 21 d	>0.01-0.1 mg/l (Daphnia magna) (OECD 211)
	NOEC / 72 h	0.085 mg/l (Desmodesmus subspicatus) (OECD 201)

(Contd. on page 8)

(Contd. of page 7)

12.2 Persistence and degradability	
CAS: 112-53-8 Lauryl alcohol	
Biodegradation	>60 % (OECD 301 D)

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 No further relevant information available.
Additional ecological information:
General notes: The product may not be released into the environment without control.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Waste must be disposed of while observing the local, official regulations.
European waste catalogue
Disposal / product + Disposal / contaminated packaging

15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP3	Flammable

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID/ADN, IMDG, IATA UN1950

14.2 UN proper shipping name
ADR/RID/ADN 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR/RID/ADN

Class 2 5F Gases.
Label 2.1

IMDG, IATA

Class 2.1 Gases.
Label 2.1

(Contd. on page 9)

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14.4 Packing group	
ADR/RID/ADN, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Transport/Additional information:	
ADR/RID/ADN	
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

*

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) 57.30 %
Catégorie SEVESO (DIRECTIVE 2012/18/EU) P3a FLAMMABLE AEROSOLS
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.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008	
Aerosols, Section 2.3.1	On basis of test data

Date of previous version: 20.09.2021
Version number of previous version: 2.00
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)

(Contd. on page 10)

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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. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
: Aerosols – Category 3
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
**** Data compared to the previous version altered.***

Safety data sheet
according to UK REACH

Printing date 19.09.2024 Version: 5.00 (replaces version 4.01) Revision: 22.04.2024

*

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

1.1 Product identifier

Trade name: SONAX PROFILINE CeramicCoating Evo (SONAX PROFILINE Glosscoat EVO)

Article number:
02379410 (B02230410), 02230410-150
UFI: PGT5-20MT-E00F-9YFV
1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture
Car care product
Sealing
Consumer uses: Private households / general public / consumers
Professional uses
Uses advised against There is currently no information available on this.

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

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SECTION 2: Hazards identification

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

Flam. Liq. 3	H226 Flammable liquid and vapour.
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

GHS02 GHS07

Signal word Warning
Hazard statements
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

(Contd. on page 2)

(Contd. of page 1)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Labelling of packages where the contents do not exceed 125 ml
Marking container <125 ml deviates. Reduced labeling according article 29 and annex I, no. 1.5 GB CLP-regulation is used.

2.3 Other hazards
Product hydrolyses under formation of methanol (CAS no. 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol causes damage to organs. Methanol is highly flammable.
The product hydrolyses under formation of ethanol (CAS-Nr. 64-17-5). Ethanol is classified concerning both physical and health hazards.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Inhalation of aerosol spray may damage health.

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.

*

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 5593-70-4 EINECS: 227-006-8 Reg.nr.: 01-2119967423-33-xxxx	Tetrabutyltitanate Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335; STOT SE 3, H336	1-<3%
CAS: 108-88-3 EINECS: 203-625-9	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	<1%
CAS: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44-xxxx	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370; STOT SE 2, H371 Specific concentration limits: STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %	<0.25%
CAS: 556-67-2 EINECS: 209-136-7 Reg.nr.: 01-2119529238-36-xxxx	octamethylcyclotetrasiloxane Flam. Liq. 3, H226; Repr. 2, H361f; Aquatic Chronic 1, H410 (M=10) PBT; vPvB	0-<0.1%

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 into the fresh air.
Remove soiled clothing

(Contd. on page 3)

(Contd. of page 2)

In any cases of doubt or if symptoms are present, seek medical advice.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
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. Then consult a doctor.*
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
Headache
Dizziness
Drowsiness
Nausea
Cramp
Eye irritation / Eye damage
Skin irritation

4.3 Indication of any immediate medical attention and special treatment needed
If swallowed or in case of vomiting, danger of entering the lungs.
Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes.
Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma.
There may be a delay in the onset of these effects after exposure.
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
Water haze
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 (CO)
Carbon dioxide (CO2)
Silicon oxides
Formaldehyde
Develops readily flammable gases/fumes.
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
Cool endangered receptacles with water spray.
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
Keep ignition sources away - Do not smoke.

(Contd. on page 4)

(Contd. of page 3)

For non-emergency personnel
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
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:
Ensure adequate ventilation.
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
Ensure good ventilation/exhaustion at the workplace.
Do not breathe vapour.
Open and handle receptacle with care.
Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Highly volatile, flammable constituents are released during processing.
Buildup of explosive mixtures possible without sufficient ventilation.
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.*
Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidising agents.
Observe local/state/federal regulations.
Further information about storage conditions:
Store only in the original receptacle.
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
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: 108-88-3 toluene	
WEL (Great Britain)	*Short-term value: 384 mg/m³, 100 ppm* *Long-term value: 191 mg/m³, 50 ppm* *Sk*
IOELV (EU)	*Short-term value: 384 mg/m³, 100 ppm* *Long-term value: 192 mg/m³, 50 ppm* *Skin*
OEL (Ireland)	*Short-term value: 384 mg/m³, 100 ppm* *Long-term value: 192 mg/m³, 50 ppm* *Sk, IOELV*

(Contd. on page 5)

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CAS: 67-56-1 methanol	
WEL (Great Britain)	Short-term value: 333 mg/m³, 250 ppm Long-term value: 266 mg/m³, 200 ppm Sk
IOELV (EU)	Long-term value: 260 mg/m³, 200 ppm Skin
OEL (Ireland)	Long-term value: 260 mg/m³, 200 ppm Sk, IOELV

Regulatory information
WEL (Great Britain): EH40/2020
IOELV (EU): (EU) 2019/1831
OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

DNELs		
CAS: 5593-70-4 Tetrabutyltitanate		
Oral	DNEL	3.75 mg/kg (consumer) (longterm systematic effects)
Dermal	DNEL	37.5 mg/kg (consumer) (longterm systematic effects)
Inhalative	DNEL	152 mg/m³ (consumer) (longterm systematic effects)
	DNEL	127 mg/m³ (worker) (longterm systematic effects)

PNECs	
CAS: 5593-70-4 Tetrabutyltitanate	
PNEC	65 mg/l (sewage plant)
	2.25 mg/l (water) (zeitweise Freisetzung)
	0.08 mg/l (water (fresh water))
	0.008 mg/l (water (sea water))
PNEC	0.069 mg/kg (sediment (fresh water))
	0.007 mg/kg (sediment (sea water))
	0.017 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.
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.
Immediately remove all soiled and contaminated clothing
Respiratory protection:
Ensure good ventilation/exhaustion at the workplace.
Use suitable respiratory protective device in case of insufficient ventilation.
The following breathing protection is recommended:
Respiratory filter for organic gases and vapours (Type A)
[DIN EN 14387]
Hand protection Protective gloves
Material of gloves
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.5 mm
[EN 374]
Penetration time of glove material
Value for the permeation: Level Nitril: 3 (60 - 120min) / Butyl: 6 (>480min)
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection
Safety glasses

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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:	Colourless
Odour:	Solvent-like
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	143 °C (CAS: 2031-67-6 triethoxy(methyl)silane)
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit	
Lower:	0.7 Vol % (CAS: 78-08-0 triethoxy(vinyl)silane)
Upper:	17 Vol % (CAS: 78-08-0 triethoxy(vinyl)silane)
Flash point:	33 °C (DIN 51755)
Decomposition temperature:	Not determined.
pH	Not applicable. Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm²/s
Dynamic:	Not determined.
Solubility	
water:	Partly miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	13.3 hPa (CAS: 2031-67-6 triethoxy(methyl)silane)
Density and/or relative density	
Density at 20 °C:	1-1.02 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:	Not determined.
Explosive properties:	In use, may form flammable/explosive vapour-air mixture.
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	Sustained combustibility test ISO 9038/UN manual of tests and criteria (32.5.2): no self-sustained combustion
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

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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 Fumes can combine with air to form an explosive mixture.
10.4 Conditions to avoid
Keep ignition sources away - Do not smoke.
Protect from heat and direct sunlight.
Protect from humidity and water.
See Section 7 for information on safe handling.
10.5 Incompatible materials:
strong oxidizing agents
strong acids
caustic solutions
Water
10.6 Hazardous decomposition products:
With exposure to moisture, product will release methanol.
Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C through oxidation.

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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: 5593-70-4 Tetrabutyltitanate		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD 50	5,300 mg/kg (rabbit)
Inhalative	LD50	20,100 mg/l (rat)
CAS: 108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat)
	LDLo	12,124 mg/kg (rabbit)
Inhalative	LC50/4d	5,320 mg/l (mouse)
CAS: 67-56-1 methanol		
Oral	LD0	143 mg/kg (human)
	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
	LDLo	393 mg/kg (monkey)
Inhalative	LC50/4d	83.8 mg/l

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation 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:
Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes.
Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma.

(Contd. on page 8)

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There may be a delay in the onset of these effects after exposure.
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: 5593-70-4 Tetrabutyltitanate	
LC50 / 96h	1,825 mg/l (fish) (acute)
EC10	650 mg/l (bacteria)
EC50 / 48h	1,300 mg/l (dp) (acute)
EC50 / 96 h	225 mg/l (algae) (acute)
CAS: 67-56-1 methanol	
LC50 / 96h	15,400 mg/l (Lepomis macrochirus) (OECD-Prüfrichtlinie 203)
EC50 / 16h	6,600 mg/l (Pseudomonas putida)
EC50 / 48h	>1,000 mg/l (Daphnia magna) (OECD-Prüfrichtlinie 202)

12.2 Persistence and degradability No further relevant information available.
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.
12.7 Other adverse effects
Additional ecological information:
General notes: The product may not be released into the environment without control.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
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 hazardous substances
HP3	Flammable
HP14	Ecotoxic

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID/ADN, IMDG, IATA UN1993

14.2 UN proper shipping name
ADR/RID/ADN 1993 FLAMMABLE LIQUID, N.O.S. (methyl triethoxysilane, Triethoxyvinylsilane)
IMDG, IATA FLAMMABLE LIQUID, N.O.S. (methyl triethoxysilane, Triethoxyvinylsilane)

14.3 Transport hazard class(es)

ADR/RID/ADN

Class 3 (F1) Flammable liquids.
Label 3

IMDG, IATA

Class 3 Flammable liquids.
Label 3

14.4 Packing group
ADR/RID/ADN, IMDG, IATA III

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user Warning: Flammable liquids.

Transport/Additional information:

ADR/RID/ADN
Limited quantities (LQ) 5L
Transport category 3
Tunnel restriction code D/E

UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (METHYL TRIETHOXYSILANE, TRIETHOXYVINYLSILANE), 3, III

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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) not subject to
Catégorie SEVESO (DIRECTIVE 2012/18/EU) P5c FLAMMABLE LIQUIDS
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.

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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.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
H370 Causes damage to organs.
H371 May cause damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	On basis of test data
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: 27.04.2023
Version number of previous version: 4.01
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. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 3: Acute toxicity – Category 3
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
Repr. 2: Reproductive toxicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration 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.**