

**Safety data sheet
according to UK REACH**

Printing date 18.09.2024

Version: 1.00

Revision: 19.12.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SONAX WaxStar**Article number:**

06736000, 06737050, 06738000

UFI-Code: 4M75-T027-Q00H-PY8F**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 Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

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

GHS05

Signal word Danger**Hazard-determining components of labelling:**

Dipalmoylisopropyl Dimonium Methosulfate

Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

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

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

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

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

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

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/this mixture contains components that exhibit or are suspected of exhibiting endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Care components in aqueous solution

Dangerous components:

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	20-<25%
CAS: 1474044-71-7 EC No 939-685-4 Reg.nr.: 01-2119983493-26-xxxx	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts) Alternative CAS number: 95009-13-5 ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	10-<15%
CAS: 71750-79-3 EC number: 615-336-9	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me ⚠ Skin Corr. 1B, H314	5-<10%
CAS: 14858-73-2 EINECS: 238-925-9 Reg.nr.: 01-2119980070-45-xxxx	bis(2-ethylhexyl) carbonate ⚠ Skin Irrit. 2, H315	3-<5%
CAS: 64-19-7 EINECS: 200-580-7 Reg.nr.: 01-2119475328-30	acetic acid 99/100 % ⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 90 % Skin Corr. 1B; H314: 25 % ≤ C < 90 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	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.

Immediately remove any clothing soiled by the product.

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

After inhalation:

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

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

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Seek immediate medical advice.

After eye contact:

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Eye irritation / Eye damage

Caustic effect on skin and mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

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.

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

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

Avoid contact with the eyes and skin.

The usual precautionary measures are to be adhered to when handling chemicals.

Wear protective clothing.

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.

Open and handle receptacle with care.

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.

Store away from oxidising agents.

Observe local/state/federal regulations.

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Further information about storage conditions:

Keep container tightly sealed.

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: 112-34-5 2-(2-butoxyethoxy)ethanol

WEL (Great Britain)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
IOELV (EU)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
OEL (Ireland)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm IOELV

CAS: 64-19-7 acetic acid 99/100 %

WEL (Great Britain)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
IOELV (EU)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
OEL (Ireland)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm 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: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	DNEL	5 mg/kg bw/day (consumer) (chronic systemic effect)
Dermal	DNEL	83 mg/bw/day (worker) (chronic systemic effect)
Inhalative	DNEL	50 mg/kg bw/day (consumer) (chronic systemic effect)
	DNEL	67.5 mg/m ³ (worker) (chronic systemic effect)
	DNEL	67.5 mg/m ³ (worker) (chronic locale effects)
	DNEL	40.5 mg/m ³ (consumer) (chronic systemic effect)
	DNEL	40.5 mg/m ³ (consumer) (chronic locale effects)

CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)

Oral	DNEL	1.25 mg/kg bw/day (consumer) (longterm systematic effects)
Dermal	DNEL	56.25 mg/kg bw/day (consumer) (longterm systematic effects) 112.5 mg/kg bw/day (worker) (longterm systematic effects)
Inhalative	DNEL	2.17 mg/m ³ (consumer) (longterm systematic effects) 8.72 mg/m ³ (worker) (longterm systematic effects)

CAS: 14858-73-2 bis(2-ethylhexyl) carbonate

Oral	DNEL	6.88 mg/kg (consumer) (longterm systematic effects)
Dermal	DNEL	27,500 mg/kg (consumer) (longterm systematic effects) 45,833 mg/kg (worker) (longterm systematic effects)
Inhalative	DNEL	23.87 mg/m ³ (consumer) (longterm systematic effects) 80 mg/m ³ (worker) (longterm systematic effects)

CAS: 64-19-7 acetic acid 99/100 %

Inhalative	DNEL	25 mg/m ³ (consumer) (acute local effect)
	DNEL	25 mg/m ³ (consumer) (longterm local effect)

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	25 mg/m ³ (worker) (longterm local effect)
PNECs	
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol	
PNEC	200 mg/l (STP) 11 mg/l (water) 1.1 mg/l (water (fresh water)) 0.11 mg/l (water (sea water))
PNEC	4.4 mg/kg (sediment (fresh water)) 0.44 mg/kg (sediment (sea water)) 0.32 mg/kg (soil) 56 mg/kg (water)
CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)	
PNEC	10 mg/l (STP) 0.017 mg/l (water (fresh water)) 0.002 mg/l (water (sea water))
PNEC	1.7 mg/kg (sediment (fresh water)) 0.17 mg/kg (sediment (sea water)) 0.331 mg/kg (soil)
CAS: 64-19-7 acetic acid 99/100 %	
PNEC	30.58 mg/l (sporadic release) 85 mg/l (STP) 3.058 mg/l (freshwater (Süßwasser)) 0.3058 mg/l (water (sea water))
PNEC	11.36 mg/kg (sediment (fresh water)) 0.478 mg/kg (soil) 1.136 mg/kg (water (sea water))

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

8.2 Exposure controls

Suitable technical control devices

Ensure good ventilation. This can be achieved by localised extraction or general ventilation. If this is not sufficient to keep the concentration below the occupational exposure limit, suitable breathing protection is to be worn.

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:

Ensure good ventilation/exhaustion at the workplace.

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

Filter A/P2

[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 5 (> 240 min)

Eye/face protection



Tightly sealed goggles

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[EN 166]

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Body protection: Protective work clothing**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

Physical state	Fluid
Colour:	Red
Odour:	Waxen
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
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
Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm ² /s
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	0.98-0.99 g/cm ³
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:	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.

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10.2 Chemical stability Stable under normal conditions.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** See Section 7 for information on safe handling.**10.5 Incompatible materials:** strong oxidizing agents**10.6 Hazardous decomposition products:**

Carbon monoxide

Carbon dioxide (CO₂)Nitrogen oxides (NO_x)

Silicon oxides

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: 112-34-5 2-(2-butoxyethoxy)ethanol**

Oral LD50 2,410 mg/kg (mouse) (ECHA)

Dermal LD50 2,764 mg/kg (rabbit) (ECHA)

CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)

Oral LD50 >2,000 mg/kg (rat) (OECD 423)

Dermal LD50 >2,000 mg/kg (rat) (OECD TG 402)

CAS: 71750-79-3 Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me

Oral LD50 >2,000 mg/kg (rat)

CAS: 14858-73-2 bis(2-ethylhexyl) carbonate

Oral LD50 >2,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

>2,000 mg/kg (rabbit)

CAS: 64-19-7 acetic acid 99/100 %

Oral LD50 3,310 mg/kg (rat)

Dermal DNEL 25 mg/m³ (worker) (ackute local effect)

Inhalative LC50/4d 40 mg/l (rat)

Skin corrosion/irritation Causes severe skin burns and eye damage.**Serious eye damage/irritation** Causes serious eye damage.**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****CAS: 112-34-5 2-(2-butoxyethoxy)ethanol**

Oral NOAEL 250 mg/kg (rat) (ECHA)

Inhalative NOAEC 0.094 mg/m³ (Ratte) (OECD 413)**CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)**

Oral NOAEL 500 mg/kg (rat) (OECD 407)

Dermal NOAEL 28d 500 mg/kg (rat) (OECD 407)

CAS: 14858-73-2 bis(2-ethylhexyl) carbonateNOEC / 48 h >0.0197 mg/l (*Daphnia magna*) (OECD 202)

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Values relevant for classification:**CAS: 14858-73-2 bis(2-ethylhexyl) carbonate**

Oral | NOAEL | 275 mg/kg/day (rat)

11.2 Information on other hazards**Endocrine disrupting properties**

The product contains substances suspected of causing endocrine disruptions with health effects.

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this mixture.**Aquatic toxicity:****CAS: 112-34-5 2-(2-butoxyethoxy)ethanol**

LC50 / 96h | 1,300 mg/l (Lepomis macrochirus) (OECD 203)

EC50 / 48h | >100 mg/l (Daphnia magna) (ECHA)

ErC50 | 1,101 mg/l (Pseudokirchneriella subcapitata) (ECHA)

CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)

LC50 / 96h | >10 mg/l (Cyprinus carpio) (OECD 203)

EC20 / 6d | 10 mg/l (activated sludge)

EC50 / 48h | >8.6 mg/l (Daphnia magna) (OECD 202)

EC50 / 72h | 1.2 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

EC50 / 6 d | 100 mg/l (activated sludge)

NOEC / 21 d | 1 mg/l (Daphnia magna) (EPA OTS 797.1330)

NOEC / 72 h | 0.39 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

NOEC / 35 d | 0.686 mg/l (Pimephales promelas) (US-EPA)

CAS: 14858-73-2 bis(2-ethylhexyl) carbonate

LC50 / 96 h | >0.0234 mg/l (Danio rerio) (OECD 203)

EC50 / 48h | >0.0197 mg/l (Daphnia magna) (OECD 202)

EC50 / 72h | 0.0214 mg/l (Desmodesmus subspicatus) (OECD 201)

NOEC 96h | >0.0234 mg/l (Danio rerio) (OECD 203)

CAS: 64-19-7 acetic acid 99/100 %

LC50 / 96h | 75 mg/l (Lepomis macrochirus)

>300 mg/l (Oncorhynchus mykiss) (OECD 203)

EC10 / 5h | 1,000 mg/l (Pseudomonas putida)

EC50 / 48h | >300 mg/l (Daphnia magna)

EC50 / 72h | >300 mg/l (algae)

12.2 Persistence and degradability

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

CAS: 1474044-71-7 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)

Biodegradation | >60 % (OECD TG 301 F)

CAS: 64-19-7 acetic acid 99/100 %

Biodegradation | 95 %

12.3 Bioaccumulative potential**CAS: 64-19-7 acetic acid 99/100 %**

log Kow | ≤0.17

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 contains less than 0.1% of any substances classified as PBT

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GB

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vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB

12.6 Endocrine disrupting properties

The product contains substances suspected of causing endocrine disruption with effects on the environment.

12.7 Other adverse effects

Additional ecological information:

General notes:

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

The product does not contain organic complexing agents.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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
HP8	Corrosive

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 UN1760

14.2 UN proper shipping name

ADR/RID/ADN 1760 CORROSIVE LIQUID, N.O.S. (AMINO FUNCTIONAL SILOXANE, ACETIC ACID, GLACIAL)
IMDG, IATA CORROSIVE LIQUID, N.O.S. (AMINO FUNCTIONAL SILOXANE, ACETIC ACID, GLACIAL)

14.3 Transport hazard class(es)

ADR/RID/ADN



Class 8 (C9) Corrosive substances.
Label 8

IMDG, IATA



Class 8 Corrosive substances.
Label 8

14.4 Packing group

ADR/RID/ADN, IMDG, IATA II

14.5 Environmental hazards:

Marine pollutant: No

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14.6 Special precautions for user Warning: Corrosive substances.

Transport/Additional information:

ADR/RID/ADN

Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	E

UN "Model Regulation": UN 1760 CORROSIVE LIQUID, N.O.S. (AMINO FUNCTIONAL SILOXANE, ACETIC ACID, GLACIAL), 8, II

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) 1.34 %
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.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Serious eye damage/irritation	

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
DGR: Przepisy dotyczące towarów niebezpiecznych - Dangerous Goods Regulations by IATA
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
NOEL = No Observed Effect Level
NOEC = No Observed Effect Concentration
LC = letal Concentration
EC50 = half maximal effective concentration
log POW = Octanol / water partition coefficient
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ATE: acute toxicity estimate
ADR: Accord 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)

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*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**IOELV = indicative occupational exposure limit values**Flam. Liq. 3: Flammable liquids – Category 3**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

GB