

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

Printing date 15.12.2023

Version: 5.00 (replaces version 4.01)

Revision: 16.01.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SONAX Hypercoat -High Gloss Protection- EVOLUTION**Article number:**

06776000, 06777050, 06779000

UFI: 9TU0-3047-500M-7WDD**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:**

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.

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

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P310 Immediately call a POISON CENTER/doctor.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains Tetramethyl Acetyloctahydronaphtalenes. May produce an allergic reaction.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:**

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

vPvB:

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

Determination of endocrine-disrupting properties

The substance/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.

Tetramethyl Acetyloctahydronaphtalenes	List II
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Care components in aqueous solution

Dangerous components:

CAS: 71750-79-3 EC number: 615-336-9	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me ⚠ Skin Corr. 1B, H314	15-<20%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-xxxx	1-Methoxy-2-propanol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	5-<15%
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28-xxxx	3-butoxypropan-2-ol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-<10%
CAS: 69011-36-5 EC No 931-138-8	isotridecanol,ethoxylated (>5-20EO) ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 1 % ≤ C < 10 %	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%
EC No 915-730-3 Reg.nr.: 01-2119489989-04-xxxx	Tetramethyl Acetyloctahydronaphtalenes Contains: 54464-57-2 Tetramethyl acetyloctahydronaphtalenes; 68155-66-8 1-(1,2,3,5,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; 68155-67-9 1-(1,2,3,4,6,7,8,8a-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ⚠ Aquatic Chronic 1, H410 (M=1); ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	<0.25%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures**General information:**

Take affected persons out of danger area and lay down.

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Immediately remove any clothing soiled by the product.

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

After inhalation:

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

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

After eye contact:

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Eye irritation / Eye damage

Caustic effect on skin and mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents:**

Water haze

Carbon dioxide

Fire-extinguishing powder

Foam

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

Nitrogen oxides (NO_x)

5.3 Advice for firefighters**Protective equipment:**

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.

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See Section 13 for disposal information.

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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: Keep ignition sources away - Do not smoke.

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.

Further information about storage conditions:

Keep container tightly sealed.

Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

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: 107-98-2 1-Methoxy-2-propanol

WEL (Great Britain)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk
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IOELV (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
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OEL (Ireland)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm IOELV
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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
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IOELV (EU)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
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OEL (Ireland)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm IOELV
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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: 107-98-2 1-Methoxy-2-propanol

Oral	DNEL	3.3 mg/kg (consumer) (long-term / systemic effects)
Dermal	DNEL	18.1 mg/kg (consumer) (long-term / systemic effects)
		50.6 mg/kg (worker) (long-term / systemic effects)
Inhalative	DNEL	43.9 mg/m ³ (consumer) (long-term / systemic effects)
		553.5 mg/m ³ (worker) (short-term / local effects)
	DNEL	369 mg/m ³ (worker) (long-term / systemic effects)

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CAS: 5131-66-8 3-butoxypropan-2-ol		
Oral	DNEL	12.5 mg/kg (consumer) (longterm systematic effects)
Dermal	DNEL	22 mg/kg (consumer) (longterm systematic effects)
		52 mg/kg (worker) (longterm systematic effects)
Inhalative	DNEL	43 mg/m ³ (consumer) (longterm systematic effects)
		147 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)
		25 mg/m ³ (worker) (longterm local effect)
PNECs		
CAS: 107-98-2 1-Methoxy-2-propanol		
PNEC		100 mg/l (STP)
		100 mg/l (water (intermittent release))
		10 mg/l (water (fresh water))
		1 mg/l (water (sea water))
PNEC		2.47 mg/kg (gro)
		41.6 mg/kg (sediment (fresh water))
		4.17 mg/kg (sediment (sea water))
CAS: 5131-66-8 3-butoxypropan-2-ol		
PNEC		10 mg/l (sewage plant)
		5.25 mg/l (sporadic release)
		0.525 mg/l (water (fresh water))
		0.0525 mg/l (water (sea water))
PNEC		2.36 mg/kg (sediment (fresh water))
		0.236 mg/kg (sediment (sea water))
		0.16 mg/kg (soil)
CAS: 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

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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

[EN 166]

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:

Fruit-like

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range

100 °C (CAS: 7732-18-5 water)

Flammability

Combustible liquid.

Lower and upper explosion limit**Lower:**

Not determined.

Upper:

Not determined.

Flash point:

69 °C (DIN 51755)

Decomposition temperature:

Not determined.

pH at 20 °C

5-6

Viscosity:**Kinematic viscosity at 40 °C**<20.5 mm²/s**Solubility****water:**

Fully miscible.

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure at 20 °C:

23 hPa (CAS: 7732-18-5 water)

Density and/or relative density**Density at 20 °C:**0.99-1 g/cm³**Vapour density**

Not determined.

9.2 Other information

Appearance:**Form:**

Fluid

Important information on protection of health and environment, and on safety.**Ignition temperature:**

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

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Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

Keep ignition sources away - Do not smoke.

Protect from heat.

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

Oral	LD50	>2,000 mg/kg (rat)
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CAS: 107-98-2 1-Methoxy-2-propanol

Oral	LD50	4,016 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
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Inhalative	LC0 / 6h	>7,000 ppm (rat)
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CAS: 5131-66-8 3-butoxypropan-2-ol

Oral	LD50	3,300 mg/kg (rat) (OECD 401)
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Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
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Inhalative	LC50 / 4h	>3.5 mg/l (rat) (OECD 403)
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CAS: 69011-36-5 isotridecanol,ethoxylated (>5-20EO)

Oral	LD50	>300-2,000 mg/kg (rat) (OECD 423)
------	------	-----------------------------------

	ATE	>300-2,000 mg/kg (rat)
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CAS: 64-19-7 acetic acid 99/100 %

Oral	LD50	3,310 mg/kg (rat)
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Dermal	DNEL	25 mg/m ³ (worker) (ackute local effect)
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Inhalative	LC50/4d	40 mg/l (rat)
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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.

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

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

Tetramethyl Acetyloctahydronapthalenes

List II

SECTION 12: Ecological information**12.1 Toxicity** There are no ecotoxicological data available on this mixture.**Aquatic toxicity:****CAS: 107-98-2 1-Methoxy-2-propanol**

LC50 / 96h	>6,800 mg/l (<i>Leuciscus idus</i>) (DIN38412)
LC50 / 48h	23,300 mg/l (<i>Daphnia magna</i>)
EC50	>1,000 mg/l (<i>Pseudokirchneriella subcapitata</i>) (7d)
EC50/3h	>1,000 mg/l (activated sludge) (OECD 209)

CAS: 5131-66-8 3-butoxypropan-2-ol

LC50 / 96h	>560-1,000 mg/l (<i>Poecilla reticulata</i>) (OECD 203)
EC50/3h	>1,000 mg/l (activated sludge) (OECD 209)
EC50 / 48h	>1,000 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC50 / 96 h	>1,000 mg/l (<i>Pseudokirchneriella subcapitata</i>)

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

LC50 / 96h	75 mg/l (<i>Lepomis macrochirus</i>) >300 mg/l (<i>Oncorhynchus mykiss</i>) (OECD 203)
EC10 / 5h	1,000 mg/l (<i>Pseudomonas putida</i>)
EC50 / 48h	>300 mg/l (<i>Daphnia magna</i>)
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: 107-98-2 1-Methoxy-2-propanol

Biodegradation | 90-100 % (OECD 301E)

CAS: 5131-66-8 3-butoxypropan-2-ol

Biodegradation | 90 % (OECD301E/92/69/EWG, C4.-B)

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

Biodegradation | 95 %

12.3 Bioaccumulative potential**CAS: 107-98-2 1-Methoxy-2-propanol**

log Kow | ≤0.43 (25°C)

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

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.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

Recommendation Waste must be disposed of while observing the local, official regulations.

European waste catalogue

07 06 04*	other organic solvents, washing liquids and mother liquors
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)
CORROSIVE LIQUID, N.O.S. (AMINO FUNCTIONAL SILOXANE, ACETIC ACID, GLACIAL)

IMDG, IATA

14.3 Transport hazard class(es)

ADR/RID/ADN



**Class
Label**

8 (C9) Corrosive substances.
8

IMDG, IATA



**Class
Label**

8 Corrosive substances.
8

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

II

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Warning: Corrosive substances.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:

ADR/RID/ADN

Limited quantities (LQ)

1L

Transport category

2

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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) 17.50 %

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.

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

Relevant phrases

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic 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	

Date of previous version: 24.08.2022

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)

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)

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

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DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin 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

Skin Sens. 1B: Skin sensitisation – Category 1B

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

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

GB