

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

Printing date 17.07.2018

Version: 1.00

Revision: 04.09.2017

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

1.1 Product identifier

Trade name: SONAX CARBURETTOR + THROTTLE VALVE CLEANER

Article number: 04883000

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC35 Washing and cleaning products (including solvent based products)

Application of the substance / the mixture Cleaning material/ Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SONAX GmbH

Münchener Straße 75

D-86633 Neuburg (Donau)

Tel.: ++49 (0)8431/53-0

Further information obtainable from:

Product safety

E-mail: erp@sonax.de

Phone: + +49 (0) 8431 53 217

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. 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 CLP regulation.

Hazard pictograms



GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:

C9-10 Alkane/Cycloalkane

propan-2-ol

acetone

Hazard statements

H222-H229 Extremely flammable aerosol. 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. - 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.

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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.
 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.

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

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Preparation of propellant and solvents

Dangerous components:

EC No 927-241-2 Reg.nr.: 01-2119471843-32-xxxx	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336; Aquatic Chronic 3, H412	25 - <50%
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	25 - <50%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	15 - <20%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide ⚠ Press. Gas R, H281	3 - <5%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-xxxx	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	3 - <5%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons	≥30%
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Additional information:

Any entry in the EC-column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

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.

If symptoms persist consult doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache

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Dizziness
Nausea
Drowsiness
Reddening, drying and crack formation of the skin
Eye irritation

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 self-contained respiratory protective device.
Wear fully protective suit.

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
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.
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 item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.
Buildup of explosive mixtures possible without sufficient ventilation.

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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:**

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.

Further information about storage conditions:

Store receptacle in a well ventilated area.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Protect from heat and direct sunlight.

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: 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

CAS: 67-64-1 acetone

WEL (Great Britain) Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm
IOELV (EU) Long-term value: 1210 mg/m³, 500 ppm

CAS: 124-38-9 carbon dioxide

WEL (Great Britain) Short-term value: 27400 mg/m³, 15000 ppm
Long-term value: 9150 mg/m³, 5000 ppm
IOELV (EU) Long-term value: 9000 mg/m³, 5000 ppm

CAS: 78-93-3 butanone

WEL (Great Britain) Short-term value: 899 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
Sk, BMGV
IOELV (EU) Short-term value: 900 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm

Regulatory information

WEL (Great Britain): EH40/2011

IOELV (EU): (EU) 2017/164

DNELs**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Oral	DNEL	300 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects)
Dermal	DNEL	300 mg/kg bw/day (consumer) (ChronicExposure, SystemicEffects)
		300 mg/kg bw/day (worker) (ChronicExposure, SystemicEffects)
Inhalative	DNEL	900 mg/m ³ (consumer) (ChronicExposure, SystemicEffects)
		1500 mg/m ³ (worker) (ChronicExposure, SystemicEffects)

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CAS: 67-63-0 propan-2-ol

Oral	DNEL	26 mg/kg (consumer) (chronic effects (1d))
Dermal	DNEL	319 mg/kg (consumer) (chronic effects (1d))
		888 mg/kg (worker) (chronic effects (1d))
Inhalative	DNEL	89 mg/m ³ (consumer) (chronic effects)
		500 mg/m ³ (worker) (chronic effects)

CAS: 67-64-1 acetone

Oral	DNEL	62 mg/kg (consumer) (chronic systemic effect)
Dermal	DNEL	186 mg/kg (worker) (chronic systemic effect)
		62 mg/kg (worker) (chronic systemic effect)
Inhalative	DNEL	200 mg/m ³ (consumer) (chronic systemic effect)
		1210 mg/m ³ (worker) (chronic systemic effect)

CAS: 78-93-3 butanone

Oral	DNEL	31 mg/kg bw/day (consumer) (longterm systematic effects)
		1161 mg/kg bw/day (worker) (longterm systematic effects)
Dermal	DNEL	412 mg/bw/day (consumer)
Inhalative	DNEL	106 mg/m ³ (consumer) (longterm systematic effects)
		600 mg/m ³ (worker) (longterm systematic effects)

PNECs

CAS: 67-63-0 propan-2-ol

PNEC	140.9 mg/l (sporadic release)
	2251 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)

CAS: 67-64-1 acetone

PNEC	100 mg/l (STP)
	21 mg/l (water)
	10.6 mg/l (water (fresh water))
	1.06 mg/l (water (sea water))
PNEC	30.4 mg/kg (sediment (fresh water))
	3.04 mg/kg (sediment (sea water))
	29.5 mg/kg (soil)

CAS: 78-93-3 butanone

PNEC	55.8 mg/l (sporadic release)
	709 mg/l (STP)
	55.8 mg/l (water (fresh water))
	55.8 mg/l (water (sea water))
PNEC	284.7 mg/kg (sediment)
	22.5 mg/kg (soil)

Ingredients with biological limit values:

CAS: 78-93-3 butanone

BMGV (Great Britain)	70 µmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one

Regulatory information BMGV (Great Britain): EH40/2011

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

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8.2 Exposure controls**Suitable technical control devices**

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

Personal protective equipment:**General protective and hygienic measures:**

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

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection:

If the occupational exposure limit is exceeded:

The following breathing protection is recommended:

Respiratory filter for organic gases and vapours (Type A)

Identification colour: Brown

[DIN EN 14387]

Protection of hands: Protective gloves

Material of gloves

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.3 mm

[EN 374]

Penetration time of glove material Value for the permeation: Level 1 (10m - < 30m)

Eye protection:

Safety glasses

[EN 166]

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: 56 - 190 °C
(Active ingredient data)

Flash point: <-20 °C
(Active ingredient data)

Flammability (solid, gas): Not applicable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: In use, may form flammable/explosive vapour-air mixture.

Explosion limits:

Lower: 0.6 Vol %
(Active ingredient data)
Upper: 14.3 Vol %
(Active ingredient data)

Vapour pressure: Not determined.

Density at 20 °C: 0.76 - 0.77 g/cm³
(Active ingredient data)

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Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Kinematic at 40 °C:	<20.5 mm ² /s (Active ingredient data)
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions 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

strong acids

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects There are no toxicological findings on this mixture.

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral	LD50	>5000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4d	>4951 mg/l (rat) (OECD 403)

CAS: 67-63-0 propan-2-ol

Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	13900 mg/kg (rabbit)
Inhalative	LC50 / 6 h	>25 mg/l (rat) (OECD 403)

CAS: 67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
	LC 50/14d	6368 mg/kg (fish)

CAS: 78-93-3 butanone

Oral	LD50	>2193 mg/kg (rat) (OECD 423)
Dermal	LD50	>5000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4d	34 mg/l (Ratte)

Primary irritant effect:

Skin corrosion/irritation

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Long-term exposure causes slight irritation of the skin.

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Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Repeated dose toxicity**CAS: 78-93-3 butanone**

Inhalative	NOAEC	0.5041 mg/m ³ (rat) (OECD-Prüfrichtlinie 413)
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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

None of the ingredients are known to have effects which are carcinogenic, mutagenic or harmful to reproduction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure**

May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.**Aspiration hazard**

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

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	>1000 mg/l (Pseudokirchneriella subcapitata)
NOELR 72 h	< 1 mg/l (Pseudokirchneriella subcapitata)

CAS: 67-63-0 propan-2-ol

LC50 / 96h	9640 mg/l (Pimephales promelas)
LC50 / 24h	9714 mg/l (daphnia)
EC50	>100 mg/l (bacteria)
EC50 / 72h	>100 mg/l (algae)

CAS: 67-64-1 acetone

LC50 / 96h	8120 mg/l (fish)
EC50 / 24h	>10000 mg/l (Invertebrates)
EC50 / 48h	3400 mg/l (algae)
	12100 mg/l (Daphnia magna)

CAS: 78-93-3 butanone

Oral	EC0/16h	1150 mg/l (Pseudomonas putida) (statistischer Test; DIN 38412)
	LC50 / 96h	2990 mg/l (Pimephales promelas) (statistischer Test, OECD-Prüfrichtlinie 203)
	EC50 / 48h	308 mg/l (Daphnia magna) (Statistischer Test, OECD-Prüfrichtlinie 202)
	EC50 / 72h	1972 mg/l (Grünalge Pseudokirchneriella subcapitata) (statistischer Test, OECD-Prüfrichtlinie 201)

12.2 Persistence and degradability**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Biodegradation 89 % (28d)

CAS: 78-93-3 butanone

Biodegradation 98 % (OECD 301 D)

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12.3 Bioaccumulative potential**CAS: 67-64-1 acetone**

BCF 3

log Kow -0.24 log Kow

12.4 Mobility in soilHydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:
Highly volatile, will partition rapidly to air.**Additional ecological information:****General notes:** The product may not be released into the environment without control.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Dangerous waste in accordance with the Directive on the List of Waste Materials

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

SECTION 14: Transport information**14.1 UN-Number****ADR, IMDG, IATA**

UN1950

14.2 UN proper shipping name**ADR**

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3 Transport hazard class(es)**ADR****Class**

2 5F Gases.

Label

2.1

IMDG, IATA**Class**

2.1

Label

2.1

14.4 Packing group**ADR, IMDG, IATA**

Void

14.5 Environmental hazards:**Marine pollutant:**

No

14.6 Special precautions for user see Sections 6-8

Warning: Gases.

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Transport/Additional information:**ADR**

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**

The following substance(s) in this product is (are) identified by CAS number either in countries not subject to the REACH regulation or in regulations not yet updated with the new naming convention for hydrocarbon solvents.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: CAS 64742-48-9

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

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

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.

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 = lethal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

Aerosol 1: Aerosols – Category 1

Press. Gas R: Gases under pressure – Refrigerated liquefied 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