

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

Printing date 27.07.2018

Version: 4.00

Revision: 18.06.2018

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

#### 1.1 Product identifier

**Trade name:** SONAX Xtreme Tyre Gloss Spray

**Article number:** 02350000, 02353000, B02352090

#### 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** PC9a Coatings and paints, thinners, paint removers

**Application of the substance / the mixture** Car care product

#### 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.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 2 H411 Toxic 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

GHS09

**Signal word** Danger

##### Hazard-determining components of labelling:

C6-7 Alkane/Cycloalkane

##### Hazard statements

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic 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.

P280 Wear protective gloves.

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.

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**Additional information:**

Buildup of explosive mixtures possible without sufficient ventilation.

**Labelling of packages where the contents do not exceed 125 ml**
**Hazard pictograms**


GHS02 GHS07 GHS09

**Signal word** Danger

**Hazard-determining components of labelling:**

C6-7 Alkane/Cycloalkane

**Hazard statements**

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

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

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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:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:** Formulation consisting of pressurised gas and mixture of solvents with silicones.

**Dangerous components:**

|  |   |         |
|--|---|---------|
| EC No 921-024-6<br>Reg.nr.: 01-2119475514-35-xxxx                    | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane<br>⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 | 50-<75% |
| CAS: 106-97-8<br>EINECS: 203-448-7<br>Reg.nr.: 01-2119474691-32-xxxx | butane<br>⚠ Flam. Gas 1, H220; Press. Gas C, H280   | 5-<10%  |
| CAS: 74-98-6<br>EINECS: 200-827-9<br>Reg.nr.: 01-2119486944-21-xxxx  | propane<br>⚠ Flam. Gas 1, H220; Press. Gas C, H280  | 5-<10%  |
| CAS: 110-82-7<br>EINECS: 203-806-2<br>Reg.nr.: 01-2119463273-41-xxxx | cyclohexane<br>⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336                                | 5-<10%  |
| CAS: 75-28-5<br>EINECS: 200-857-2<br>Reg.nr.: 01-2119485395-27-xxxx  | isobutane<br>⚠ Flam. Gas 1, H220; Press. Gas C, H280  | 1-<3%   |
| CAS: 110-54-3<br>EINECS: 203-777-6<br>Reg.nr.: 01-2119480412-44-xxxx | n-hexane<br>⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361f; STOT RE 2, H373; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336                       | 1-<3%   |

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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.

**Hydrocarbon mixture:**

Benzene content < 0.1%

Cyclohexane is a part of the hydrocarbon mixture.

n-Hexane is a part of the hydrocarbon mixture.

**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:**

Immediately wash with water and soap and rinse thoroughly.

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

Skin 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 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 (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Silicon oxides

**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.

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## 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.  
Particular danger of slipping on leaked/spilled product.

### 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.

### 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:

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.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

#### CAS: 106-97-8 butane

|                     |   |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm<br>Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm<br>Carc (if more than 0.1% of buta-1.3-diene) |
|---------------------|---|

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**CAS: 110-82-7 cyclohexane**

WEL (Great Britain) Short-term value: 1050 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 350 mg/m<sup>3</sup>, 100 ppm

IOELV (EU) Long-term value: 700 mg/m<sup>3</sup>, 200 ppm

**CAS: 110-54-3 n-hexane**

WEL (Great Britain) Long-term value: 72 mg/m<sup>3</sup>, 20 ppm

IOELV (EU) Long-term value: 72 mg/m<sup>3</sup>, 20 ppm

**Regulatory information**

WEL (Great Britain): EH40/2011

IOELV (EU): (EU) 2017/164

**DNELs**

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Oral DNEL 699 mg/kg bw/day (consumer) (chronic exposition / systemic effects)

Dermal DNEL 699 mg/kg bw/day (consumer) (chronic exposition / systemi effects)

773 mg/kg bw/day (worker) (chronic exposition / systemic effects)

Inhalative DNEL 608 mg/m<sup>3</sup> (consumer) (chronic exposition / systemic effects)

2,035 mg/m<sup>3</sup> (worker) (chronic exposition / systemic effects)

**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.

**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:

Respiratory filter for organic gases and vapours (Type A)

Identification colour: Brown

[DIN EN 14387]

**Protection of hands:** 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 protection:** Not required in normal cases

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form:**

Aerosol

**Colour:**

Light yellow

**Odour:**

Characteristic

**Odour threshold:**

Not determined.

**pH-value:**

Not applicable.

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**Change in condition**

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** 60 - 120 °C  
(Active ingredient data)

**Flash point:** < -5 °C (DIN EN ISO 13736)  
(Active ingredient data)

**Flammability (solid, gas):** Not applicable.

**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.% (Main ingredient data)  
1.5 Vol.% (Propellant data)  
**Upper:** 8.0 Vol.% (Main ingredient data)  
10.9 Vol.% (Propellant data)

**Vapour pressure:** Not determined.

**Density at 20 °C:** 0.78 - 0.79 g/cm<sup>3</sup>  
(Active ingredient data)

**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:**

**Flow time at 20 °C** 10 - 15 s (DIN EN ISO 2431/4mm)  
(Active ingredient data)

**Kinematic at 40 °C:** < 20.5 mm<sup>2</sup>/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** Forms explosive gas mixture with air.

**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 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, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

|      |      |                               |
|------|------|-------------------------------|
| Oral | LD50 | >5,000 mg/kg (rat) (OECD 401) |
|------|------|-------------------------------|

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|                                  |           |                                 |
|----------------------------------|-----------|---------------------------------|
| Dermal                           | LD50      | >2,000 mg/kg (rat) (OECD 402)   |
| Inhalative                       | LC50 / 4h | >20 mg/l (rat) (OECD 403)       |
| <b>CAS: 106-97-8 butane</b>      |           |                                 |
| Inhalative                       | LC50/4d   | 658 mg/l (rat)                  |
| <b>CAS: 110-82-7 cyclohexane</b> |           |                                 |
| Oral                             | LD50      | >5,000 mg/kg (rabbit)           |
| Dermal                           | LD50      | >2,000 mg/kg (rabbit)           |
| Inhalative                       | LC50 / 4h | >32,880 mg/m <sup>3</sup> (rat) |
| <b>CAS: 110-54-3 n-hexane</b>    |           |                                 |
| Oral                             | LD50      | 3,200 mg/kg (rat)               |
| Dermal                           | LD50      | 3,350 mg/kg (rabbit)            |
| Inhalative                       | LC50/4d   | 172 mg/l (rat)                  |

**Primary irritant effect:**

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

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

**Respiratory or skin sensitisation**

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

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Contains n-hexane!**

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

### 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, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

|             |  |
|-------------|--|
| LL50 / 96h  | 11.4 mg/l (Oncorhynchus mykiss) (OECD 203)           |
| EL50 / 48h  | 3 mg/l (Daphnia magna) (OECD 202)                    |
| EL50 / 72h  | 30 mg/l (Pseudokirchneriella subcapitata) (OECD 201) |
| LOEC        | 0.32 mg/l (Daphnia magna) (21d)                      |
| NOELR 72 h  | 3 mg/l (Pseudokirchneriella subcapitata)             |
| NOEC / 21 d | 0.17 mg/l (Daphnia magna)                            |

**CAS: 110-82-7 cyclohexane**

|            |  |
|------------|--|
| LC50 / 96h | 4.53 mg/l (Pimephales promelas)            |
| EC50 / 48h | 2.4 mg/l (Daphnia magna)                   |
| EC50 / 72h | 3.4 mg/l (Pseudokirchneriella subcapitata) |

**CAS: 110-54-3 n-hexane**

|            |                                  |
|------------|----------------------------------|
| LL50 / 96h | 12.51 mg/l (Oncorhynchus mykiss) |
| EL50 / 48h | 21.85 mg/l (Daphnia magna)       |

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### 12.2 Persistence and degradability

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Biodegradation 81 % (28d)

**CAS: 110-54-3 n-hexane**

Biodegradation 83 % (10d (ECHA))

### 12.3 Bioaccumulative potential

**CAS: 110-82-7 cyclohexane**

log Kow 3.44 log Kow (pH: 7, 25 °C)

**CAS: 110-54-3 n-hexane**

log Kow 4 log Kow (pH: 7, 20 °C)

### 12.4 Mobility in soil

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane:

Highly volatile, will partition rapidly to air.

#### Additional ecological information:

**General notes:** Do not allow product to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment** Not applicable.

**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

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**14.4 Packing group**

ADR, IMDG Void

**14.5 Environmental hazards:**

**Marine pollutant:** Yes  
absent due to package size =<5l

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

**Transport/Additional information:****ADR**

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**

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, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane: CAS 64742-49-0

**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.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

**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)

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

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ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
IOELV = indicative occupational exposure limit values  
Flam. Gas 1: Flammable gases – Category 1  
Aerosol 1: Aerosols – Category 1  
Press. Gas C: Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Repr. 2: Reproductive toxicity – Category 2  
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 Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
**\* Data compared to the previous version altered.**

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