

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

CONTEC SILICONE STAR

Creation date 27th February 2007
Revision date 15th March 2019 Version 5.1

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

- 1.1. Product identifier**
Substance / mixture CONTEC SILICONE STAR
Number 0.356.903/5
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use lubricant for industry and household
Mixture uses advised against The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Distributor**
Name or trade name Hermann Hartje KG
Address Deichstraße 120-122, Hoya/Waser, 27318
Germany
VAT Reg No DE116162847
Phone 0049/4251/811-20
E-mail rene.preuss@hartje.de
Web address www.hartje.de
- Manufacturer**
Name or trade name Nacházel, s.r.o.
Address Průmyslová 11/1472, Praha 10 - Hostivař, 10219
Czech Republic
Identification number (CRN) 25734458
VAT Reg No CZ25734458
Phone 222 351 140
E-mail maziva@nachazel.cz
Web address www.nachazel.cz
- Competent person responsible for the safety data sheet**
Name Nacházel, s.r.o.
E-mail maziva@nachazel.cz
- 1.4. Emergency telephone number**
National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111
112



SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Aerosol 1, H222, H229
Asp. Tox. 1, H304
STOT SE 3, H336
Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

Most serious adverse effects on human health and the environment

May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

Hydrocarbons, C6, isoakenes, <5% n-hexane
Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501 Dispose of container by disposing in a hazardous waste receptacle.

Supplemental information

EUH 066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. The product is based on the classification rules according to EU Regulation No. 1272/2008 as Asp. Tox.1 sentence H304, based on inhalation hazard. The product is marketed in an aerosol dispenser, the above-mentioned adverse effects are unlikely and the product does not need to be labeled as Asp. Toxic phrase H304.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below. Note on stated concentration ranges: the stated values cover the concentrations of the substances in the liquid and in the aerosol (the concentration of the propellant components corresponds to the content of these substances in the liquid / gas mixture). The classification calculations are based on the upper values of the stated concentration ranges.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note. |
|---|---|---------------------|--|-------|
| EC: 931-254-9 Registration number: 01-2119484651-34 | Hydrocarbons, C6, isoakenes, <5% n-hexane | 25-65 | Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH 066 | |

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| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note. |
|---|--|---------------------|--|---------------|
| Index: 601-004-00-0b CAS: 75-28-5 EC: 200-857-2 | Isobutane | 30-40 | Flam. Gas 1, H220 Press. Gas, H280 | 1, 3 |
| Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 Registration number: 01-2119486944-21-XXXX | propane | 10-20 | Flam. Gas 1, H220 Press. Gas (liquefied gas), H280 | 3 |
| EC: 934-956-3 Registration number: 01-2119827000-58-0000 | Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat | 5-20 | Asp. Tox. 1, H304 | |
| Index: 601-004-01-8 CAS: 106-97-8 EC: 203-448-7 | butane | 1-2 | Press. Gas, Flam. Gas 1, H220 Muta. 1B, H340 Carc. 1A, H350 | 1, 2, 3, 4 |

Notes

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Note S: This substance may not require a label according to Article 17 (see Section 1.3 of Annex I) (Table 3).
- Note U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)
Press. Gas (Liq.)
Press. Gas (Ref. Liq.)
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

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If swallowed

Ingestion: Not expected for aerosols. Harmful: In case of accidental ingestion, (liquid only) may enter the lungs due to low viscosity, leading to the rapid development of severe lung lesions (necessary medical supervision for 48 hours). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

4.2. Most important symptoms and effects, both acute and delayed

If inhaled

May cause drowsiness or dizziness. Cough, headache.

If on skin

Repeated exposure may cause skin dryness or cracking.

If in eyes

Temporary feeling of burning and redness.

If swallowed

Irritation, nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols.

6.2. Environmental precautions

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Protect against direct sunlight. Electrostatic charge may be formed during use; use only earthed piping (tubing) when repumping. Use of antistatic clothes and footwear is recommended. Use non-sparking tools. Do not inhale gases and vapours. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

Storage class 2B - Aerosols
Content 200ml
Packaging type spray
Material of package FE (40), Steel (Metals)



FE

min 0 °C, max 40 °C

Storage temperature

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

Follow the instructions on the product label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

Hydrocarbons, C6, isoalkenes, <5% n-hexane

| Workers / consumers | Route of exposure | Value | Effect | Determining method |
|---------------------|-------------------|------------------------|--------------------------|--------------------|
| Workers | Dermal | 13964 mg/kg bw/day | Systemic chronic effects | |
| Workers | Inhalation | 5306 mg/m ³ | Systemic chronic effects | |
| Consumers | Dermal | 1377 mg/kg bw/day | Systemic chronic effects | |
| Consumers | Inhalation | 1131 mg/kg | Systemic chronic effects | |
| Consumers | Oral | 1301 mg/kg bw/day | Systemic chronic effects | |

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

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Respiratory protection

Respirator.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|------------------------------|
| Appearance | liquid in aerosol container |
| Physical state | liquid at 20°C |
| color | transparent |
| Odour | after solvents |
| Odour threshold | data not available |
| pH | data not available |
| Melting point/freezing point | data not available |
| Initial boiling point and boiling range | 51-61 °C (hydrocarbons C6) |
| Flash point | -80 °C (propellant) |
| Evaporation rate | data not available |
| Flammability (solid, gas) | Extremely flammable aerosol. |
| Upper/lower flammability or explosive limits | |
| flammability limits | data not available |
| explosive limits | propellant |
| bottom | 1.1 % |
| upper | 13 % |
| Vapour pressure | <0.7 MPa |
| Vapour density | data not available |
| Relative density | data not available |
| Solubility(ies) | |
| solubility in water | insoluble |
| solubility in fats | data not available |
| Partition coefficient: n-octanol/water | -0.24 |
| Auto-ignition temperature | >230 °C |
| Decomposition temperature | data not available |
| Viscosity | data not available |
| Explosive properties | data not available |
| Oxidising properties | data not available |
| data not available | |

9.2. Other information

| | |
|---|---------------------------------|
| Density | 0.654 g/cm ³ at 20°C |
| ignition temperature | >350 °C (propellant) |
| content of organic solvents (VOC) | 0.991 kg/kg |
| solid content (dry matter) | 0.009 % volume |
| Auto-ignition temperature:> 230 °C (C6 hydrocarbons) asth e 659 (this temperature may be significantly lower under special conditions (slow oxidation of finely divided material) | |

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable and no degradation occurs under normal use.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Protect against strong acids, bases and oxidizing agents.

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10.4. Conditions to avoid

Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Hydrocarbons, C6, isoalkenes, <5% n-hexane

| Route of exposure | Parameter | Method | Value | Time of exposure | Species | Sex |
|--------------------|------------------|----------|--------------------------|------------------|---------------------------------|-----|
| Oral | LD ₅₀ | OECD 401 | 16750 mg/kg bw | | Rat (Rattus norvegicus) | |
| Dermal | LD ₅₀ | OECD 402 | 3350 mg/kg bw | 4 hour | Rabbit | |
| Inhalation (vapor) | LC ₅₀ | OECD 403 | 259354 mg/m ³ | 4 hour | Rat (Rattus norvegicus) | |
| Oral | LD ₅₀ | | >5000 mg/kg | | Rat (Rattus norvegicus) | |
| Dermal | LD ₅₀ | | >3000 mg/kg | | Rat (Rattus norvegicus) | |
| Inhalation (vapor) | LC ₅₀ | | >20 mg/l | 4 hour | Rat (Rattus norvegicus) | |
| | Log Pow | | 4 | | | |
| | NOELR | | 3 mg/l | 72 hour | Pseudokirchneriella subcapitata | |

Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

| Route of exposure | Parameter | Method | Value | Time of exposure | Species | Sex |
|-----------------------|------------------|----------|------------------------|------------------|-------------------------|-----|
| Dermal | LD ₅₀ | OECD 402 | >3160 mg/kg | 24 hour | Rabbit | |
| Inhalation (aerosols) | LC ₅₀ | OECD 403 | 5266 mg/m ³ | 4 hour | Rat (Rattus norvegicus) | |
| Oral | DL 50 | OECD 401 | >5000 mg/kg bw/day | | Rat (Rattus norvegicus) | |

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

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Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

More information

data not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Toxic to aquatic life with long lasting effects.

Hydrocarbons, C6, isoalkenes, <5% n-hexane

| Parameter | Method | Value | Time of exposure | Species | Environment |
|-----------|--------|-----------|------------------|---------------------------------|-------------|
| ErL 50 | | 13.6 mg/l | 72 hour | Pseudokirchneriella subcapitata | |
| EL 50 | | 31.9 mg/l | 48 hour | Daphnia (Daphnia magna) | |

propane

| Parameter | Method | Value | Time of exposure | Species | Environment |
|-----------|--------|-------|------------------|---------|-------------|
| Log Pow | | 2.86 | | | |
| BCF | | 13 | | | |

Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

| Parameter | Method | Value | Time of exposure | Species | Environment |
|-----------|-----------|--------------|------------------|-----------------------------------|-------------|
| ErL50 | ISO 10253 | >10000 mg/kg | 72 hour | Algae (Selenastrum capricornutum) | |
| LL 50 | | >3193 mg/l | 48 hour | Invertebrates (Acartia tonsa) | |
| LL 50 | | 1028 mg/l | 96 hour | Fishes (Oncorhynchus mykiss) | |

Chronic toxicity

Hydrocarbons, C6, isoalkenes, <5% n-hexane

| Parameter | Value | Time of exposure | Species | Environment |
|-----------|-----------|------------------|------------------------------|-------------|
| NOEL | 7.14 mg/l | 21 hour | Daphnia (Daphnia magna) | |
| NOEL | 4.09 mg/l | 28 day | Fishes (Oncorhynchus mykiss) | |

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More information

data not available

12.2. Persistence and degradability

Biodegradability

Hydrocarbons, C6, isoalkenes, <5% n-hexane

| Parameter | Value | Time of exposure | Environment | Result |
|-----------|-------|------------------|-------------|--------|
| | 98 % | 28 day | | |

Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

| Parameter | Value | Time of exposure | Environment | Result |
|-----------|-------|------------------|-------------|--------|
| | 74 % | 28 day | | |

The mixture is biodegradable.

12.3. Bioaccumulative potential

Hydrocarbons, C6, isoalkenes, <5% n-hexane

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|-------|------------------|---------|-------------|------------------------------|
| Log Pow | 3.6 | | | | |

Not available.

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

14 06 03 other solvents and solvent mixtures *
16 05 04 gases in pressure containers (including halons) containing hazardous substances *
17 04 05 iron and steel

Packaging waste type code

15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers *
15 01 04 metallic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not available

14.5. Environmental hazards

yes

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

Additional information

Hazard identification No.

UN number

Classification code

Safety signs



5FC

2.1+dangerous for the environment



Road transport - ADR

Special provisions

190, 327, 344, 625

Limited quantities

1 L

Packaging

Packing instructions

P207, LP02

Special packing provisions

PP87, RR6, L2

Mixed packing provisions

MP9

Transport category

2

Tunnel restriction code

(D)

Special provision for

packages

V14

loading, unloading and handling

CV9, CV12

Railway transport - RID

Special provisions

190, 327, 344, 625

Packaging

Packing instructions

P207, LP02

Special packing provisions

PP87, RR6, L2

Mixed packing provisions

MP9

Transport category

0

Special provision for

packages

W 14

loading, unloading and handling

CW 9, CW 12

Marine transport - IMDG

EmS (emergency plan)

F-D, S-U

MFAG

620

Marine Pollutant

Yes

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

butane

| Restriction | Conditions of restriction |
|-------------|---|
| 28 | <p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <ol style="list-style-type: none"> Shall not be placed on the market, or used, <ul style="list-style-type: none"> as substances, as constituents of other substances, or, in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>"Restricted to professional users".</p> <ol style="list-style-type: none"> By way of derogation, paragraph 1 shall not apply to: <ol style="list-style-type: none"> medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; cosmetic products as defined by Directive 76/768/EEC; the following fuels and oil products: <ul style="list-style-type: none"> motor fuels which are covered by Directive 98/70/EC, mineral oil products intended for use as fuel in mobile or fixed combustion plants, fuels sold in closed systems (e.g. liquid gas bottles); artists' paints covered by Regulation (EC) No 1272/2008; the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. |

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| Restriction | Conditions of restriction |
|-------------|---|
| 29 | <p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <ol style="list-style-type: none"> Shall not be placed on the market, or used, <ul style="list-style-type: none"> as substances, as constituents of other substances, or, in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>"Restricted to professional users".</p> <ol style="list-style-type: none"> By way of derogation, paragraph 1 shall not apply to: <ol style="list-style-type: none"> medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; cosmetic products as defined by Directive 76/768/EEC; the following fuels and oil products: <ul style="list-style-type: none"> motor fuels which are covered by Directive 98/70/EC, mineral oil products intended for use as fuel in mobile or fixed combustion plants, fuels sold in closed systems (e.g. liquid gas bottles); artists' paints covered by Regulation (EC) No 1272/2008; the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. |

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

| | |
|------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

Guidelines for safe handling used in the safety data sheet

| | |
|-----------|--|
| 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. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C. |
| P102 | Keep out of reach of children. |
| P273 | Avoid release to the environment. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P501 | Dispose of container to be disposed in a hazardous waste receptacle. |

A list of additional standard phrases used in the safety data sheet

| | |
|---------|---|
| EUH 066 | Repeated exposure may cause skin dryness or cracking. |
|---------|---|

Other important information about human health protection

SAFETY DATA SHEET

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The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

| | |
|---------------------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL | Derived no-effect level |
| EC | Identification code for each substance listed in EINECS |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| IC ₅₀ | Concentration causing 50% blockade |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC ₅₀ | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD ₅₀ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| LOAEC | Lowest observed adverse effect concentration |
| LOAEL | Lowest observed adverse effect level |
| log K _{ow} | Octanol-water partition coefficient |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NOAEC | No observed adverse effect concentration |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| NOEL | No observed effect level |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted no-effect concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bioaccumulative |

| | |
|-----------------|--|
| Aerosol | Aerosol |
| Aquatic Chronic | Hazardous to the aquatic environment |
| Asp. Tox. | Aspiration hazard |
| Flam. Gas | Flammable gas |
| Flam. Liq. | Flammable liquid |
| Press. Gas | Gases under pressure |
| STOT SE | Specific target organ toxicity - single exposure |

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

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| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 27th February 2007 | | |
| Revision date | 15th March 2019 | Version | 5.1 |

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.