

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 1 of 17

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Blade Ice 2999-7900

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Washing and cleaning products

Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Company name: Wahl (UK) Ltd.
 Street: Sterling House , Clipper Cl.
 Place: GB-CT12 5GG Ramsgate, Kent
 Telephone: +44 1227 740066

1.4. Emergency telephone number:

+44 1227 740066
 Only available during office hours.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

propan-2-ol; isopropyl alcohol; isopropanol

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

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

Signal word: Danger**Pictograms:****Hazard statements**

H222 Extremely flammable aerosol.
 H229 Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 2 of 17

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. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 3 of 17

Hazardous components

| CAS No | Chemical name | Quantity |
|------------|---|----------------------------------|
| | EC No | |
| | Index No | |
| | REACH No | |
| | GHS Classification | |
| 106-97-8 | Butane | < 60 % |
| | 203-448-7 | 01-2119474691-32 |
| | Flam. Gas 1, Liquefied gas; H220 H280 | |
| 74-98-6 | Propane | < 30 % |
| | 200-827-9 | 01-2119486944-21 |
| | Flam. Gas 1, Liquefied gas; H220 H280 | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | < 10 % |
| | 200-661-7 | 01-2119457558-25 |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | |
| | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane | < 1 % |
| | 926-605-8 | 01-2119486291-36 |
| | Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411 | |
| | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | < 1 % |
| | 927-510-4 | 01-2119475515-33 |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 EUH066 | |
| 92128-66-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | < 1 % |
| | 921-024-6 | 01-2119475514-35 |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 | |
| | Hydrocarbons, C6, isoalkanes, <5% n-hexane | < 1 % |
| | 931-254-9 | 01-2119484651-34 |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 | |
| 110-54-3 | N-hexane | < 0.1 % |
| | 203-777-6 | 601-037-00-0 01-2119480412-44 |
| | Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H225 H361f H315 H336 H373 H304 H411 | |
| 110-82-7 | Cyclohexane | < 0.1 % |
| | 203-806-2 | 01-2119463273-41 |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410 | |

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician in any

**Blade Ice 2999-7900**

Revision date: 12.04.2019

Page 4 of 17

case!

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

Water. Full water jet

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. In case of fire may be liberated: Carbon monoxide
Carbon dioxide (CO₂)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

Do not pierce or burn, even after use. If local exhaust ventilation is not possible or not sufficient, the entire



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 5 of 17

working area should be ventilated by technical means. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Further information on handling

Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

Further information on storage conditions

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Aerosol

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|-------------|-----|-------------------|-----------|---------------|--------|
| 106-97-8 | Butane | 600 | 1450 | | TWA (8 h) | WEL |
| | | 750 | 1810 | | STEL (15 min) | WEL |
| 110-82-7 | Cyclohexane | 100 | 350 | | TWA (8 h) | WEL |
| | | 300 | 1050 | | STEL (15 min) | WEL |
| 67-63-0 | Propan-2-ol | 400 | 999 | | TWA (8 h) | WEL |
| | | 500 | 1250 | | STEL (15 min) | WEL |
| 110-54-3 | n-Hexane | 20 | 72 | | TWA (8 h) | WEL |

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 6 of 17

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|----------|------------------------|
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | |
| Worker DNEL, long-term | | dermal | systemic | 888 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 500 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 319 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 89 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 26 mg/kg bw/day |
| | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane | | | |
| Worker DNEL, long-term | | inhalation | systemic | 5306 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 13964 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1131 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1377 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 1301 mg/kg bw/day |
| | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | | |
| Worker DNEL, long-term | | dermal | systemic | 300 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 2085 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 149 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 447 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 149 mg/kg bw/day |
| 92128-66-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | | | |
| Worker DNEL, long-term | | dermal | systemic | 773 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 2035 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 699 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 608 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 699 mg/kg bw/day |
| | Hydrocarbons, C6, isoalkanes, <5% n-hexane | | | |
| Worker DNEL, long-term | | inhalation | systemic | 5306 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 13964 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1131 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1377 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 1301 mg/kg bw/day |
| 110-54-3 | N-hexane | | | |
| Worker DNEL, long-term | | inhalation | systemic | 75 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 11 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 16 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 5,3 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 4 mg/kg bw/day |
| 110-82-7 | Cyclohexane | | | |

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 7 of 17

| | | | |
|--------------------------|------------|----------|------------------------|
| Consumer DNEL, long-term | oral | systemic | 59,4 mg/kg bw/day |
| Worker DNEL, long-term | inhalation | systemic | 700 mg/m ³ |
| Worker DNEL, acute | inhalation | systemic | 1400 mg/m ³ |
| Worker DNEL, long-term | inhalation | local | 700 mg/m ³ |
| Worker DNEL, acute | inhalation | local | 1400 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 2016 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 206 mg/m ³ |
| Consumer DNEL, acute | inhalation | systemic | 412 mg/m ³ |
| Consumer DNEL, long-term | inhalation | local | 206 mg/m ³ |
| Consumer DNEL, acute | inhalation | local | 412 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 1186 mg/kg bw/day |

PNEC values

| CAS No | Substance | Value |
|--|---|------------|
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | |
| Freshwater | | 140,9 mg/l |
| Freshwater (intermittent releases) | | 140,9 mg/l |
| Marine water | | 140,9 mg/l |
| Freshwater sediment | | 552 mg/kg |
| Marine sediment | | 552 mg/kg |
| Secondary poisoning | | 160 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 2251 mg/l |
| Soil | | 28 mg/kg |

8.2. Exposure controls**Appropriate engineering controls**

Do not breathe gas/fumes/vapour/spray. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Wear eye protection/face protection. Suitable eye protection: goggles. DIN EN 166

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. EN ISO 374

Suitable material: NBR (Nitrile rubber) (0,4mm), Breakthrough time (maximum wearing time): >=240 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear anti-static footwear and clothing

Respiratory protection

Usually no personal respiratory protection necessary.



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 8 of 17

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: Liquid
 Colour: colourless
 Odour: like: Alcohol

Test method

pH-Value: not applicable

Changes in the physical state

Melting point: not applicable

Initial boiling point and boiling range: < -20 °C

Flash point: < -20 °C

Sustaining combustion: No data available

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

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

Lower explosion limits: 2 vol. %

Upper explosion limits: 15 vol. %

Ignition temperature: 287 °C

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density (at 20 °C): 0,58 g/cm³ calculated.Water solubility: practically insoluble
(at 20 °C)**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

Flammable, Ignition hazard.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 9 of 17

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 10 of 17

| CAS No | Chemical name | | | | |
|------------|---|--------------------------------|---------|---|---|
| | Exposure route | Dose | Species | Source | Method |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | oral | LD50 mg/kg 4570 | Rat | | |
| | dermal | LD50 mg/kg 13400 | Rabbit | | |
| | inhalation (4 h) vapour | LC50 30 mg/l | Rat | | |
| | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane | | | | |
| | oral | LD50 mg/kg >5000 | Rat | OECD 401 | |
| | dermal | LD50 mg/kg >2000 | Rabbit | OECD 402 | |
| | inhalation (4 h) vapour | LC50 mg/l 73860 | Rat | Industrial Medicine, Vol. 39, No. 5, May | OECD Guideline 403 |
| | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | | | |
| | oral | LD50 mg/kg >5840 | Rat | | |
| | dermal | LD50 mg/kg > 2800 - 3100 | Rat | Study report (1977) | The acute toxicity of SBP 100/140 was de |
| | inhalation (4 h) vapour | LC50 mg/l > 23,3 | Rat | Study report (1988) | OECD Guideline 403 |
| 92128-66-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | | | | |
| | oral | LD50 mg/kg > 5000 | Rat | | |
| | dermal | LD50 mg/kg > 2800 - 3100 | Rat | Study report (1977) | The acute toxicity of SBP 100/140 was de |
| | inhalation (4 h) vapour | LC50 mg/l > 25,2 | Rat | Study report (1988) | Group of rats were exposed to test subst |
| | Hydrocarbons, C6, isoalkanes, <5% n-hexane | | | | |
| | oral | LD50 mg/kg > 5000 | Rat | OECD 401 | |
| | dermal | LD50 mg/kg > 3000 | Rat | OECD 402 | |
| | inhalation (4 h) vapour | LC50 mg/l 73860 | Rat | Industrial Medicine, Vol. 39, No. 5, May | OECD Guideline 403 |
| 110-54-3 | N-hexane | | | | |
| | dermal | LD50 mg/kg > 2000 | Rabbit | Study report (1982) | |
| | inhalation (4 h) vapour | LC50 mg/l 73860 | Rat | Industrial Medicine, Vol. 39, No. 5, May | OECD Guideline 403 |
| | inhalation (4 h) gas | LC50 ppm > 31,86 | Rat | IUCLID | |
| 110-82-7 | Cyclohexane | | | | |
| | oral | LD50 mg/kg > 5000 | Rat | Study report (1982) | OECD Guideline 401 |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 11 of 17

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)

STOT-repeated exposure

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

Aspiration hazard

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

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 12 of 17

| CAS No | Chemical name | | | | | |
|----------|--|---------------|-----------|---------|---------------------------------|--|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 106-97-8 | Butane | | | | | |
| | Acute fish toxicity | LC50 mg/l | 49,9 | 96 h | Fish, no other information | United States Environmental Protection A The Ecosar class program has been develo |
| | Acute algae toxicity | ErC50 mg/l | 19,37 | 96 h | Algae | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| | Acute crustacea toxicity | EC50 mg/l | 69,43 | 48 h | Daphnia sp. | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| 74-98-6 | Propane | | | | | |
| | Acute fish toxicity | LC50 mg/l | 49,9 | 96 h | Fish, no other information | United States Environmental Protection A The Ecosar class program has been develo |
| | Acute algae toxicity | ErC50 mg/l | 19,37 | 96 h | Algae | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| | Acute crustacea toxicity | EC50 mg/l | 69,43 | 48 h | Daphnia sp. | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | | |
| | Acute fish toxicity | LC50 mg/l | 10000 | 96 h | Pimephales promelas | Publication (1983) OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | >100 | 72 h | Scenedesmus subspicatus | |
| | Acute crustacea toxicity | EC50 mg/l | 13299 | 48 h | Daphnia magna (Big water flea) | |
| | Acute bacteria toxicity | (>100 mg/l) | | | | |
| | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane | | | | | |
| | Acute fish toxicity | LC50 mg/l | 12 | 96 h | Oncorhynchus mykiss | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | 7,276 | 72 h | Pseudokirchneriella subcapitata | CONCAWE, Brussels, Belgium (2009) The aquatic toxicity was estimated by a |
| | Acute crustacea toxicity | EC50 mg/l | 17,06 | 48 h | Daphnia magna | CONCAWE, Brussels, Belgium (2009) The aquatic toxicity was estimated by a |
| | Fish toxicity | NOEC mg/l | 2,187 | 28 d | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2009) The aquatic toxicity was estimated by a |
| | Crustacea toxicity | NOEC mg/l | 3,818 | 21 d | Daphnia magna | CONCAWE, Brussels, Belgium (2009) The aquatic toxicity was estimated by a |
| | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | | | | |
| | Acute fish toxicity | LC50 mg/l | > 13,4 | 96 h | Oncorhynchus mykiss | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | 12 | 72 h | Pseudokirchneriella subcapitata | SIDS Initial Assessment Report For SIAM OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 mg/l | 3 | 48 h | Daphnia magna | OECD Guideline 202 |

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 13 of 17

| | | | | | | | |
|------------|---|---------------|-----------|------|------------------------------------|--|---|
| | Fish toxicity | NOEC mg/l | 1,534 | 28 d | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2010) | The aquatic toxicity was estimated by a |
| | Crustacea toxicity | NOEC | 1 mg/l | 21 d | Daphnia magna | SIDS Initial Assessment Report For SIAM | OECD Guideline 211 |
| 92128-66-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | | | | | | |
| | Acute fish toxicity | LC50 | 11,4 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 | |
| | Acute algae toxicity | ErC50 mg/l | 10 - 30 | 72 h | Pseudokirchneriella subcapitata | Study report (1995) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 | 3 mg/l | 48 h | Daphnia magna | OECD Guideline 202 | |
| | Fish toxicity | NOEC mg/l | 2,045 | 28 d | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2010) | The aquatic toxicity was estimated by a |
| | Crustacea toxicity | NOEC | 1 mg/l | 21 d | Daphnia magna | SIDS Initial Assessment Report For SIAM | OECD Guideline 211 |
| | Hydrocarbons, C6, isoalkanes, <5% n-hexane | | | | | | |
| | Acute fish toxicity | LC50 mg/l | 18,27 | 96 h | Oncorhynchus mykiss | ECHA | |
| | Acute algae toxicity | ErC50 mg/l | 13,56 | 72 h | Pseudokirchneriella subcapitata | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| | Acute crustacea toxicity | EC50 mg/l | 31,9 | 48 h | Daphnia magna | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| | Fish toxicity | NOEC mg/l | 4,089 | 28 d | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| | Crustacea toxicity | NOEC mg/l | 7,138 | 21 d | Daphnia magna | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| 110-54-3 | N-hexane | | | | | | |
| | Acute fish toxicity | LC50 mg/l | 12,51 | 96 h | Oncorhynchus mykiss | ECHA | |
| | Acute algae toxicity | ErC50 mg/l | 9,285 | 72 h | Pseudokirchneriella subcapitata | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| | Acute crustacea toxicity | EC50 mg/l | 21,85 | 48 h | Daphnia magna | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| | Fish toxicity | NOEC | 2,8 mg/l | 28 d | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| | Crustacea toxicity | NOEC mg/l | 4,888 | 21 d | Daphnia magna | CONCAWE, Brussels, Belgium (2009) | The aquatic toxicity was estimated by a |
| 110-82-7 | Cyclohexane | | | | | | |
| | Acute fish toxicity | LC50 mg/l | 4,53 | 96 h | Pimephales promelas | Vol. 5, Centre for Lake Superior Studies | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | 9,317 | 72 h | Pseudokirchneriella subcapitata | Study report (1998) | OECD Guideline 201 |

Blade Ice 2999-7900

Revision date: 12.04.2019

Page 14 of 17

| | | | | | | | |
|--|--------------------------|--------------|------|------|---------------|--|-----------------------|
| | Acute crustacea toxicity | EC50 mg/l | 3,78 | 48 h | Daphnia magna | Aquatic Toxicology 8, 163-174. (1986) | OECD Guideline 202 |
|--|--------------------------|--------------|------|------|---------------|--|-----------------------|

12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | Method | Value | d | Source |
|------------|---|------------|-------|----|--------|
| | | Evaluation | | | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | Biodegradation | | 95% | 21 | |
| | Readily biodegradable (according to OECD criteria). | | | | |
| | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane | | | | |
| | Biodegradation | | 98% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | | |
| | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | | | | |
| | Biodegradation | | 98% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | | |
| 92128-66-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | | | | |
| | Biodegradation | | 81% | 28 | |
| | Readily biodegradable (according to OECD criteria). | | | | |

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|--|---------|
| 106-97-8 | Butane | 1,09 |
| 74-98-6 | Propane | 1,09 |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | 0,05 |
| | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane | 3,6 |
| | Hydrocarbons, C6, isoalkanes, <5% n-hexane | 3,6 |
| 110-54-3 | N-hexane | 4 |
| 110-82-7 | Cyclohexane | 3,44 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|----------|--|---------|---------------------|----------------------|
| | Hydrocarbons, C6, isoalkanes, <5% n-hexane | 501,187 | Pimephales promelas | QSAR in Environmenta |
| 110-54-3 | N-hexane | 501,187 | Pimephales promelas | QSAR in Environmenta |
| 110-82-7 | Cyclohexane | 242 | | ECHA |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 15 of 17

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

- 14.1. UN number: UN 1950
 - 14.2. UN proper shipping name: AEROSOLS
 - 14.3. Transport hazard class(es): 2
 - 14.4. Packing group: -
- Hazard label: 2.1



- Classification code: 5F
- Special Provisions: 190 327 344 625
- Limited quantity: 1 L
- Excepted quantity: E0
- Transport category: 2
- Tunnel restriction code: D

Inland waterways transport (ADN)

- 14.1. UN number: UN 1950
 - 14.2. UN proper shipping name: AEROSOLS
 - 14.3. Transport hazard class(es): 2
 - 14.4. Packing group: -
- Hazard label: 2.1



- Classification code: 5F
- Special Provisions: 190 327 344 625
- Limited quantity: 1 L
- Excepted quantity: E0

Marine transport (IMDG)

- 14.1. UN number: UN 1950
 - 14.2. UN proper shipping name: AEROSOLS
 - 14.3. Transport hazard class(es): 2.1
 - 14.4. Packing group: -
- Hazard label: 2.1



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 16 of 17

Special Provisions: 63, 190, 277, 327, 344, 959
 Limited quantity: 1000 mL
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS, flammable
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0
 IATA-packing instructions - Passenger: 203
 IATA-max. quantity - Passenger: 75 kg
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: Flammable gases.

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

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 28: Butane

Entry 57: Cyclohexane

2010/75/EU (VOC): 98,955 % (573,939 g/l)

2004/42/EC (VOC): 98,955 % (573,939 g/l)

Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.



Blade Ice 2999-7900

Revision date: 12.04.2019

Page 17 of 17

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,3,9,15,16.

Abbreviations and acronyms

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification | Classification procedure |
|----------------------|-------------------------------|
| Aerosol 1; H222-H229 | On basis of test data |
| Skin Irrit. 2; H315 | Bridging principle "Aerosols" |
| Eye Irrit. 2; H319 | Bridging principle "Aerosols" |
| STOT SE 3; H336 | Bridging principle "Aerosols" |

Relevant H and EUH statements (number and full text)

| | |
|--------|--|
| 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. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye 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. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)