

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 09/08/2017

Version: 5.0

# Initial<sup>®</sup>

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

### 1.1. Product identifier

Product form : Mixtures  
Trade name : OCEAN SPRAY  
Product code : 568015  
Type of product : Fragrances,Aerosol  
Registration No : -  
Vaporizer : Aerosol  
Product group : Product

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : An aerosol fragrance for use in Airfresh units by Initial service staff.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

Rentokil Initial Supplies  
Liverpool  
L33 7SR  
UK

Product advice line: +44 (0)151 548 5050

Email: sds@rentokil.com

### 1.4. Emergency telephone number

Emergency number : +44 (0)1342 833022

| Country        | Organisation/Company  | Address                           | Emergency number | Comment |
|----------------|---|-----------------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham | 0344 892 0111    |         |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of hazard classes and H-statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger  
Hazard statements (CLP) : H222 - Extremely flammable aerosol

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|                                |   |
|--------------------------------|---|
| Precautionary statements (CLP) | <p>H229 - Pressurised container: May burst if heated<br/>H412 - Harmful to aquatic life with long lasting effects</p> <p>: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking<br/>P251 - Do not pierce or burn, even after use<br/>P273 - Avoid release to the environment<br/>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F<br/>P501 - Dispose of contents/container to an approved waste disposal plant</p> |
| EUH-statements                 | <p>: EUH208 - Contains Dipentene terpene hydrocarbon by products, D-Limonene, 2,4-Dimethyl-3-cyclohexene carboxaldehyde, Eucalyptol, Methylenedioxyphenyl methylpropanal, Nerol, Linalool. May produce an allergic reaction</p>   |
| Extra phrases                  | <p>: Contact with the liquid the may cause cold burns/frostbite</p>   |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|----------|---|
| Butane<br>substance with national workplace exposure limit(s) (GB)   | (CAS-No.) 106-97-8<br>(EC-No.) 203-448-7                                  | 25 - 50  | Flam. Gas 1, H220<br>Press. Gas (Comp.), H280   |
| Ethanol  | (CAS-No.) 64-17-5<br>(EC-No.) 200-578-6<br>(EC Index-No.) 603-002-00-5    | 10 - 25  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319  |
| 1-(3-Methoxypropoxy)propan-1-ol<br>substance with a Community workplace exposure limit<br>substance with national workplace exposure limit(s) (GB) | (CAS-No.) 34590-94-8<br>(EC-No.) 252-104-2                                | 2.5 - 10 | Not classified  |
| 2,6-Dimethyloct-7-en-2-ol  | (CAS-No.) 18479-58-8<br>(EC-No.) 242-362-4                                | 1 - 5    | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319   |
| Tert-Butyl alcohol   | (CAS-No.) 75-65-0<br>(EC-No.) 200-889-7<br>(EC Index-No.) 603-005-00-1    | < 2.5    | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2, H319<br>STOT SE 3, H335  |
| Linalool   | (CAS-No.) 78-70-6<br>(EC-No.) 201-134-4                                   | 0.1 - 1  | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1B, H317  |
| Dipentene terpene hydrocarbon by products  | (CAS-No.) 68956-56-9<br>(EC-No.) 273-309-3                                | 0.1 - 1  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| 2,4-Dimethyl-3-cyclohexene carboxaldehyde  | (CAS-No.) 68039-49-6<br>(EC-No.) 268-264-1                                | 0.1 - 1  | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411   |
| Eucalyptol   | (CAS-No.) 470-82-6<br>(EC-No.) 207-431-5                                  | 0.1 - 1  | Flam. Liq. 3, H226<br>Skin Sens. 1B, H317   |
| D-Limonene   | (CAS-No.) 138-86-3<br>(EC-No.) 205-341-0<br>(EC Index-No.) 601-029-00-7   | 0.1 - 1  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                   |
| Methylenedioxyphenyl methylpropanal  | (CAS-No.) 1205-17-0<br>(EC-No.) 214-881-6                                 | 0.1 - 1  | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |
| 3-methylbutyl acetate<br>substance with a Community workplace exposure limit   | (CAS-No.) 123-92-2<br>(EC-No.) 204-662-3                                  | < 1      | Flam. Liq. 3, H226  |
| Lauronitrile   | (CAS-No.) 2437-25-4<br>(EC-No.) 219-440-1                                 | < 1      | Skin Irrit. 2, H315<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| Nerol  | (CAS-No.) 106-25-2<br>(EC-No.) 203-378-7                                  | < 1      | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317   |
| 4-methyl-3-decen-5-ol  | (CAS-No.) 81782-77-6<br>(EC-No.) 279-815-0<br>(REACH-no) 01-0000017023-83 | < 1      | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|  |   |            |  |
|--|---|------------|--|
| Alpha-pinenes<br>substance with a Community workplace exposure limit<br>substance with national workplace exposure limit(s) (GB) | (CAS-No.) 80-56-8<br>(EC-No.) 201-291-9                                 | 0.01 - 0.1 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304   |
| beta-Pinene<br>substance with a Community workplace exposure limit<br>substance with national workplace exposure limit(s) (GB)   | (CAS-No.) 127-91-3<br>(EC-No.) 204-872-5                                | < 0.1      | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| Toluene<br>substance with a Community workplace exposure limit<br>substance with national workplace exposure limit(s) (GB)       | (CAS-No.) 108-88-3<br>(EC-No.) 203-625-9<br>(EC Index-No.) 601-021-00-3 | < 0.01     | Flam. Liq. 2, H225<br>Repr. 2, H361d<br>Asp. Tox. 1, H304<br>STOT RE 2, H373<br>Skin Irrit. 2, H315<br>STOT SE 3, H336                   |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Cough. Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Direct contact with the eyes is likely to be irritating. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Ingestion is not considered a potential route of exposure. Rinse mouth out with water.

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

- Symptoms/effects after inhalation : Shortness of breath. In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation.
- Symptoms/effects after skin contact : Contact with the liquid may cause cold burns/frostbite.
- Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating. Contact with the liquid may cause frostbite and serious damage to eyes.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Hazardous decomposition products in case of fire : May release hazardous fumes.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Protect eyes, face and skin from liquid splashes. Wear suitable protective clothing.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Ventilate the area thoroughly. Keep area evacuated and free from ignition sources until any spilled liquid has evaporated. (Ground free from frost). This material and its container must be disposed of in a safe way, and as per local legislation. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Pressurised container: Do not pierce or burn, even after use.

Precautions for safe handling : Do not spray on an open flame or other ignition source.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Store in a well-ventilated place. Keep cool. Protect from heat and direct sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.

### 7.3. Specific end use(s)

Environmental fragrance.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Butane (106-97-8)                            |                                 |   |
|--|---------------------------------|---|
| United Kingdom                               | Local name                      | Butane  |
| United Kingdom                               | WEL TWA (mg/m <sup>3</sup> )    | 1450 mg/m <sup>3</sup>  |
| United Kingdom                               | WEL TWA (ppm)                   | 600 ppm   |
| United Kingdom                               | WEL STEL (mg/m <sup>3</sup> )   | 1810 mg/m <sup>3</sup>  |
| United Kingdom                               | WEL STEL (ppm)                  | 750 ppm   |
| United Kingdom                               | Remark (WEL)                    | Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51), (only applies if Butane contains more than 0.1% of buta-1,3-diene)  |
| 1-(3-Methoxypropoxy)propan-1-ol (34590-94-8) |                                 |   |
| EU   | Local name                      | (2-Methoxymethylethoxy)-propanol  |
| EU   | IOELV TWA (mg/m <sup>3</sup> )  | 308 mg/m <sup>3</sup>   |
| EU   | IOELV TWA (ppm)                 | 50 ppm  |
| EU   | Notes                           | Skin  |
| United Kingdom                               | Local name                      | (2-methoxymethylethoxy) propanol  |
| United Kingdom                               | WEL TWA (mg/m <sup>3</sup> )    | 308 mg/m <sup>3</sup>   |
| United Kingdom                               | WEL TWA (ppm)                   | 50 ppm  |
| United Kingdom                               | Remark (WEL)                    | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| 3-methylbutyl acetate (123-92-2)             |                                 |   |
| EU   | Local name                      | Isopentylacetate  |
| EU   | IOELV TWA (mg/m <sup>3</sup> )  | 270 mg/m <sup>3</sup>   |
| EU   | IOELV TWA (ppm)                 | 50 ppm  |
| EU   | IOELV STEL (mg/m <sup>3</sup> ) | 540 mg/m <sup>3</sup>   |
| EU   | IOELV STEL (ppm)                | 100 ppm   |
| Toluene (108-88-3)                           |                                 |   |
| EU   | Local name                      | Toluene   |
| EU   | IOELV TWA (mg/m <sup>3</sup> )  | 192 mg/m <sup>3</sup>   |
| EU   | IOELV TWA (ppm)                 | 50 ppm  |
| EU   | IOELV STEL (mg/m <sup>3</sup> ) | 384 mg/m <sup>3</sup>   |
| EU   | IOELV STEL (ppm)                | 100 ppm   |

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Toluene (108-88-3)           |                                 |   |
|------------------------------|---------------------------------|---|
| EU                           | Notes                           | skin  |
| United Kingdom               | Local name                      | Toluene   |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> )    | 191 mg/m <sup>3</sup>   |
| United Kingdom               | WEL TWA (ppm)                   | 50 ppm  |
| United Kingdom               | WEL STEL (mg/m <sup>3</sup> )   | 384 mg/m <sup>3</sup>   |
| United Kingdom               | WEL STEL (ppm)                  | 100 ppm   |
| United Kingdom               | Remark (WEL)                    | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Alpha-pinenes (80-56-8)      |                                 |   |
| EU                           | IOELV TWA (mg/m <sup>3</sup> )  | 140   |
| EU                           | IOELV TWA (ppm)                 | 25 ppm  |
| EU                           | IOELV STEL (mg/m <sup>3</sup> ) | 300 mg/m <sup>3</sup>   |
| EU                           | IOELV STEL (ppm)                | 50 ppm  |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> )    | 140   |
| United Kingdom               | WEL TWA (ppm)                   | 25  |
| United Kingdom               | WEL STEL (mg/m <sup>3</sup> )   | 300   |
| United Kingdom               | WEL STEL (ppm)                  | 50 ppm  |
| beta-Pinene (127-91-3)       |                                 |   |
| EU                           | IOELV TWA (mg/m <sup>3</sup> )  | 140 mg/m <sup>3</sup>   |
| EU                           | IOELV TWA (ppm)                 | 25 ppm  |
| EU                           | IOELV STEL (mg/m <sup>3</sup> ) | 300 mg/m <sup>3</sup>   |
| EU                           | IOELV STEL (ppm)                | 50 ppm  |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> )    | 140   |
| United Kingdom               | WEL TWA (ppm)                   | 25  |
| United Kingdom               | WEL STEL (mg/m <sup>3</sup> )   | 300   |
| United Kingdom               | WEL STEL (ppm)                  | 50 ppm  |
| Ethanol (64-17-5)            |                                 |   |
| United Kingdom               | Local name                      | Ethanol   |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> )    | 1920 mg/m <sup>3</sup>  |
| United Kingdom               | WEL TWA (ppm)                   | 1000 ppm  |
| Tert-Butyl alcohol (75-65-0) |                                 |   |
| United Kingdom               | Local name                      | 2-Methylpropan-2-ol   |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> )    | 308 mg/m <sup>3</sup>   |
| United Kingdom               | WEL TWA (ppm)                   | 100 ppm   |
| United Kingdom               | WEL STEL (mg/m <sup>3</sup> )   | 462 mg/m <sup>3</sup>   |
| United Kingdom               | WEL STEL (ppm)                  | 150 ppm   |

## 8.2. Exposure controls

### Appropriate engineering controls:

Not required for normal conditions of use. Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment:

Avoid all unnecessary exposure.

### Hand protection:

Avoid contact with skin. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training

### Eye protection:

Wear eye protection. Avoid contact with eyes

### Skin and body protection:

Avoid contact with skin. Wear suitable protective clothing

### Respiratory protection:

Not necessary under the recommended storage and handling conditions

### Other information:

Do not eat, drink or smoke during use.

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|  |                               |
|--|-------------------------------|
| Physical state                             | : Liquid                      |
| Appearance                                 | : Aerosol can.                |
| Colour                                     | : Colourless.                 |
| Odour                                      | : characteristic.             |
| Odour threshold                            | : No data available           |
| pH   | : No data available           |
| Relative evaporation rate (butylacetate=1) | : No data available           |
| Melting point                              | : No data available           |
| Freezing point                             | : No data available           |
| Boiling point                              | : -11 °C                      |
| Flash point                                | : < -60 °C                    |
| Auto-ignition temperature                  | : No data available           |
| Decomposition temperature                  | : No data available           |
| Flammability (solid, gas)                  | : Extremely flammable aerosol |
| Vapour pressure                            | : No data available           |
| Relative vapour density at 20 °C           | : No data available           |
| Relative density                           | : No data available           |
| Solubility                                 | : No data available           |
| Log Pow                                    | : No data available           |
| Viscosity, kinematic                       | : No data available           |
| Viscosity, dynamic                         | : No data available           |
| Explosive properties                       | : No data available           |
| Oxidising properties                       | : No data available           |
| Explosive limits                           | : No data available           |

#### 9.2. Other information

|                        |   |
|------------------------|---|
| Additional information | : Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level |
|------------------------|---|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

#### 10.2. Chemical stability

Extremely flammable aerosol. Can form explosive mixture with air. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition. May react violently with oxidants.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                |   |
|----------------|---|
| Acute toxicity | : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation |
|----------------|---|

|   |                   |
|---|-------------------|
| <b>1-(3-Methoxypropoxy)propan-1-ol (34590-94-8)</b> |                   |
| LD50 oral rat                                       | 5152 mg/kg        |
| <b>3-methylbutyl acetate (123-92-2)</b>             |                   |
| LD50 oral   | 7422 mg/kg rabbit |
| LD50 dermal rabbit                                  | > 5000            |

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| <b>Nerol (106-25-2)</b>           |  |
|-----------------------------------|--|
| LD50 oral rat                     | 4500 mg/kg   |
| LD50 dermal rabbit                | > 5000 mg/kg   |
| Skin corrosion/irritation         | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| Serious eye damage/irritation     | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| Respiratory or skin sensitisation | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| Germ cell mutagenicity            | : Not classified<br>Based on available data, the classification criteria are not met |
| Carcinogenicity                   | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| Reproductive toxicity             | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| STOT-single exposure              | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| STOT-repeated exposure            | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |
| Aspiration hazard                 | : Not classified   |
| Additional information            | : Based on available data, the classification criteria are not met                   |

| <b>OCEAN SPRAY</b> |         |
|--------------------|---------|
| Vaporizer          | Aerosol |

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

| <b>1-(3-Methoxypropoxy)propan-1-ol (34590-94-8)</b>           |   |
|---|---|
| LC50 fish 1   | > 10000 mg/l Pimephales promelas                  |
| EC50 Daphnia 2  | 1919 mg/l EC50 48h - Daphnia magna [mg/l]         |
| <b>2,4-Dimethyl-3-cyclohexene carboxaldehyde (68039-49-6)</b> |   |
| LC50 fish 1   | 1   |
| <b>3-methylbutyl acetate (123-92-2)</b>                       |   |
| LC50 fish 1   | 36 - 131 mg/l Leuciscus idus (Golden orfe) - 48 h |
| EC50 Daphnia 1  | 42 mg/l Daphnia magna (Water flea) - 48 h         |
| ErC50 (algae)   | 450 mg/l - 72 h                                   |

### 12.2. Persistence and degradability

| <b>OCEAN SPRAY</b>            |   |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

### 12.3. Bioaccumulative potential

| <b>OCEAN SPRAY</b>                                  |                  |
|---|------------------|
| Bioaccumulative potential                           | Not established. |
| <b>1-(3-Methoxypropoxy)propan-1-ol (34590-94-8)</b> |                  |
| Log Pow   | -0.06 - 20 °C    |
| <b>3-methylbutyl acetate (123-92-2)</b>             |                  |
| Log Pow   | 2.25             |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |  |
|--|--|
| Product/Packaging disposal recommendations | : Container under pressure. Do not drill or burn even after use. Dispose of contents/container to an approved waste disposal plant.  |
| Additional information                     | : Flammable vapours may accumulate in the container.   |
| Ecology - waste materials                  | : Avoid release to the environment.  |
| European List of Waste (LoW) code          | : 15 01 04 - metallic packaging<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances<br>16 05 04* - gases in pressure containers (including halons) containing dangerous substances   |
| HP Code                                    | : H3-A - 'Highly flammable' :<br>— liquid substances and preparations having a flash point below 21 °C (including extremely flammable liquids), or<br>— substances and preparations which may become hot and finally catch fire in contact with air at ambient temperature without any application of energy, or<br>— solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the source of ignition, or<br>— gaseous substances and preparations which are flammable in air at normal pressure, or<br>— substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities.<br>H14 - 'Ecotoxic': waste which presents or may present immediate or delayed risks for one or more sectors of the environment. |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 1950 |
| UN-No. (IMDG) | : 1950 |
| UN-No. (IATA) | : 1950 |
| UN-No. (ADN)  | : 1950 |
| UN-No. (RID)  | : 1950 |

#### 14.2. UN proper shipping name

|                                       |  |
|---------------------------------------|--|
| Proper Shipping Name (ADR)            | : AEROSOLS   |
| Proper Shipping Name (IMDG)           | : AEROSOLS   |
| Proper Shipping Name (IATA)           | : Aerosols, flammable                                    |
| Proper Shipping Name (ADN)            | : AEROSOLS   |
| Proper Shipping Name (RID)            | : AEROSOLS   |
| Transport document description (ADR)  | : UN 1950 AEROSOLS (n-Butane, Isobutane), 2.1, (D)       |
| Transport document description (IMDG) | : UN 1950 AEROSOLS (n-Butane, Isobutane), 2.1            |
| Transport document description (IATA) | : UN 1950 Aerosols, flammable (n-Butane, Isobutane), 2.1 |
| Transport document description (ADN)  | : UN 1950 AEROSOLS (n-Butane, Isobutane), 2.1            |
| Transport document description (RID)  | : UN 1950 AEROSOLS (n-Butane, Isobutane), 2.1            |

#### 14.3. Transport hazard class(es)

##### ADR

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADR) | : 2.1 |
| Danger labels (ADR)              | : 2.1 |



##### IMDG

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IMDG) | : 2.1 |
| Danger labels (IMDG)              | : 2.1 |



# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830



### IATA

Transport hazard class(es) (IATA) : 2.1

Hazard labels (IATA) : 2.1



### ADN

Transport hazard class(es) (ADN) : 2.1

Danger labels (ADN) : 2.1



### RID

Transport hazard class(es) (RID) : 2.1

Danger labels (RID) : 2.1



#### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E0

Packing instructions (ADR) : P207, LP02

Special packing provisions (ADR) : PP87, RR6, L2

Mixed packing provisions (ADR) : MP9

Transport category (ADR) : 2

Special provisions for carriage - Packages (ADR) : V14

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Special provisions for carriage - Operation (ADR) : S2  
Tunnel restriction code (ADR) : D

### - Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959  
Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P207, LP02  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

### - Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 203  
PCA max net quantity (IATA) : 75kg  
CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg  
Special provisions (IATA) : A145, A167, A802  
ERG code (IATA) : 10L

### - Inland waterway transport

Classification code (ADN) : 5F  
Special provisions (ADN) : 190, 327, 344, 625  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01, VE04  
Number of blue cones/lights (ADN) : 1

### - Rail transport

Classification code (RID) : 5F  
Special provisions (RID) : 190, 327, 344, 625  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P207, LP02  
Special packing provisions (RID) : PP87, RR6, L2  
Mixed packing provisions (RID) : MP9  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

### 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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 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.

Other information : None.

Full text of H- and EUH-statements:

|                           |  |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4  |
| Aerosol 1                 | Aerosol, Category 1  |
| Aquatic Acute 1           | Hazardous to the aquatic environment — Acute Hazard, Category 1                            |
| Aquatic Chronic 1         | Hazardous to the aquatic environment — Chronic Hazard, Category 1                          |
| Aquatic Chronic 2         | Hazardous to the aquatic environment — Chronic Hazard, Category 2                          |
| Aquatic Chronic 3         | Hazardous to the aquatic environment — Chronic Hazard, Category 3                          |
| Asp. Tox. 1               | Aspiration hazard, Category 1  |
| Eye Dam. 1                | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2  |
| Flam. Gas 1               | Flammable gases, Category 1  |
| Flam. Liq. 2              | Flammable liquids, Category 2  |
| Flam. Liq. 3              | Flammable liquids, Category 3  |
| Press. Gas (Comp.)        | Gases under pressure : Compressed gas  |
| Repr. 2                   | Reproductive toxicity, Category 2  |
| Skin Irrit. 2             | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1              | Skin sensitisation, Category 1   |
| Skin Sens. 1B             | Skin sensitisation, category 1B  |
| STOT RE 2                 | Specific target organ toxicity — Repeated exposure, Category 2                             |
| STOT SE 3                 | Specific target organ toxicity — Single exposure, Category 3, Narcosis                     |
| STOT SE 3                 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H220                      | Extremely flammable gas  |
| H222                      | Extremely flammable aerosol  |
| H225                      | Highly flammable liquid and vapour   |
| H226                      | 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   |
| H317                      | May cause an allergic skin reaction  |
| H318                      | Causes serious eye damage  |
| H319                      | Causes serious eye irritation  |
| H332                      | Harmful if inhaled   |
| H335                      | May cause respiratory irritation   |
| H336                      | May cause drowsiness or dizziness  |
| H361d                     | Suspected of damaging the unborn child   |
| 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  |
| H412                      | Harmful to aquatic life with long lasting effects  |
| EUH208                    | Contains . May produce an allergic reaction  |

# OCEAN SPRAY

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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**Before using any product, ensure that you read and understand its label.**

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