

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 10/16/2024

Revision Number 1

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

### 1.1. Product identifier

**Product Name** PRECISION STEALTH STINK ELIMINATOR 100ML  
**Product Code(s)** PRG962100  
**Safety data sheet number** 0000015

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

**Recommended use** Deodoriser

**Uses advised against**

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

| <u>Manufacturer</u> | <u>Supplier</u> |  |
|---------------------|-----------------|--|
|                     |                 | Reydon Sports PLC<br>Birch Park<br>Giltbrook<br>Nottingham<br>NG16 2AR<br>United Kingdom<br>+44 (0) 115 938 6444<br>www.reydonsports.com |

For further information, please contact

**E-mail address** sales@reydonsports.com

### 1.4. Emergency telephone number

**Emergency Telephone** +44 (0)1773 521521 (MON-FRI 08.00-17.00 UK TIME)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

### 2.2. Label elements

**Hazard statements**

**Precautionary Statements - EU (§28, 1272/2008)**

P102 - Keep out of reach of children.

### 2.3. Other hazards

No information available.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

| Chemical name  | Weight-%       | REACH registration number | EC No (EU Index No)         | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|----------------|---------------------------|-----------------------------|--|
| WATER<br>7732-18-5                                   | 50 - <100%     |                           | 231-791-2                   |  |
| Molasses, yeast fermn. distn. residues<br>94114-07-5 | 2.5 - <5%      |                           | 302-644-0                   |  |
| didecyldimethylammonium chloride<br>7173-51-5        | 0.025 - <0.25% |                           | (612-131-00-6)<br>230-525-2 | Skin Corr. 1B (H314)<br>Acute Tox. 4 (H302)<br>Eye Dam. 1 (H318) |
| ethanediol<br>107-21-1                               | 0.025 - <0.25% |                           | (603-027-00-1)<br>203-473-3 | Acute Tox. 4 (H302)  |
| Sodium benzoate<br>532-32-1                          | <0.025%        |                           | 208-534-8                   | Eye Irrit. 2 (H319)  |
| Potassium (E,E)-hexa-2,4-dienoate<br>24634-61-5      | <0.025%        |                           | 246-376-1                   | Eye Irrit. 2 (H319)<br>Skin Irrit. 2 (H315)                      |

**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate  
No information available

| Chemical name                                   | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|-----------------|-------------------|---|---|--------------------------------------|
| WATER<br>7732-18-5                              | 89838.9         | No data available | No data available                           | No data available                       | No data available                    |
| didecyldimethylammonium chloride<br>7173-51-5   | 84              | 1000              | No data available                           | No data available                       | No data available                    |
| ethanediol<br>107-21-1                          | 4700            | 10600             | 3.75  | No data available                       | No data available                    |
| Sodium benzoate<br>532-32-1                     | 4070            | No data available | No data available                           | No data available                       | No data available                    |
| Potassium (E,E)-hexa-2,4-dienoate<br>24634-61-5 | 3200            | No data available | No data available                           | No data available                       | No data available                    |

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

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|              |  |
|--------------|--|
| Inhalation   | Remove to fresh air.   |
| Eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                 |
| Ingestion    | Rinse mouth. Get medical attention.  |

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

|                     |  |
|---------------------|--|
| Symptoms            | No information available.                                |
| Effects of Exposure | See Section 11 for additional Toxicological Information. |

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

|                    |                        |
|--------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|--------------------|------------------------|

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

|                                |   |
|--------------------------------|---|
| Suitable Extinguishing Media   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Large Fire                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| Unsuitable extinguishing media | Do not scatter spilled material with high pressure water streams.                                       |

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

|  |                           |
|--|---------------------------|
| Specific hazards arising from the chemical | No information available. |
|--|---------------------------|

**5.3. Advice for firefighters**

|  |  |
|--|--|
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|--|--|

**SECTION 6: Accidental release measures**

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

|                          |   |
|--------------------------|---|
| Personal precautions     | Ensure adequate ventilation.                      |
| For emergency responders | Use personal protection recommended in Section 8. |

**6.2. Environmental precautions**

|                           |   |
|---------------------------|---|
| Environmental precautions | See Section 12 for additional Ecological Information. |
|---------------------------|---|

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

- Methods for containment** Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up** After cleaning, flush away traces with water.
- Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

- Reference to other sections** See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

- Advice on safe handling** Ensure adequate ventilation.
- General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

- Storage Conditions** Keep container closed when not in use.

**7.3. Specific end use(s)**

**Specific use(s)**  
See section 1 for more information.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name          | European Union   | Austria  | Belgium  | Bulgaria  | Croatia   |
|------------------------|--|--|--|---|---|
| ethanediol<br>107-21-1 | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>* | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>STEL 20 ppm<br>STEL 52 mg/m <sup>3</sup><br>H* | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>D*  | STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>TWA: 52 mg/m <sup>3</sup><br>TWA: 20 ppm<br>K* | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>*    |
| Chemical name          | Cyprus   | Czech Republic   | Denmark  | Estonia   | Finland   |
| ethanediol<br>107-21-1 | *<br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup> | TWA: 50 mg/m <sup>3</sup><br>Ceiling: 100 mg/m <sup>3</sup><br>D*                          | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>H*<br>STEL: 104 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 20 mg/m <sup>3</sup> | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>A* | TWA: 20 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 100 mg/m <sup>3</sup><br>iho* |
| Chemical name          | France   | Germany TRGS   | Germany DFG  | Greece  | Hungary   |

|                             |   |  |   |   |   |
|-----------------------------|---|--|---|---|---|
| ethanediol<br>107-21-1      | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>*  | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>H*   | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>Peak: 20 ppm<br>Peak: 52 mg/m <sup>3</sup><br>*   | TWA: 50 ppm<br>TWA: 125 mg/m <sup>3</sup><br>STEL: 50 ppm<br>STEL: 125 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>b*           |
| Sodium benzoate<br>532-32-1 | -   | TWA: 10 mg/m <sup>3</sup><br>H*  | TWA: 10 mg/m <sup>3</sup><br>Peak: 20 mg/m <sup>3</sup><br>*  | -   | -   |
| <b>Chemical name</b>        | <b>Ireland</b>  | <b>Italy MDLPS</b>   | <b>Italy AIDII</b>  | <b>Latvia</b>   | <b>Lithuania</b>  |
| ethanediol<br>107-21-1      | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>Sk*  | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>cute* | TWA: 25 ppm<br>STEL: 50 ppm<br>STEL: 10 mg/m <sup>3</sup>   | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>Ada*   | STEL: 20 ppm<br>STEL: 50 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 25 mg/m <sup>3</sup><br>O*            |
| <b>Chemical name</b>        | <b>Luxembourg</b>   | <b>Malta</b>   | <b>Netherlands</b>  | <b>Norway</b>   | <b>Poland</b>   |
| ethanediol<br>107-21-1      | STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>Peau*                                      | STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>skin*<br>TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup> | TWA: 52 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>H*   | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 104 mg/m <sup>3</sup><br>STEL: 40 ppm<br>H*   | STEL: 50 mg/m <sup>3</sup><br>TWA: 15 mg/m <sup>3</sup><br>skóra*                                       |
| <b>Chemical name</b>        | <b>Portugal</b>   | <b>Romania</b>   | <b>Slovakia</b>   | <b>Slovenia</b>   | <b>Spain</b>  |
| ethanediol<br>107-21-1      | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>Ceiling: 100 mg/m <sup>3</sup><br>Cutânea* | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>P*    | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>K*<br>Ceiling: 104 mg/m <sup>3</sup>  | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>K*   | TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>via dérmica* |
| Sodium benzoate<br>532-32-1 | -   | -  | -   | TWA: 10 mg/m <sup>3</sup><br>STEL: 20 mg/m <sup>3</sup><br>K*   | -   |
| <b>Chemical name</b>        | <b>Sweden</b>   |  | <b>Switzerland</b>  | <b>United Kingdom</b>   |   |
| ethanediol<br>107-21-1      | Bindande KGV: 40 ppm<br>Bindande KGV: 104 mg/m <sup>3</sup><br>NGV: 10 ppm<br>NGV: 25 mg/m <sup>3</sup><br>H*                         |  | TWA: 10 ppm<br>TWA: 26 mg/m <sup>3</sup><br>STEL: 20 ppm<br>STEL: 52 mg/m <sup>3</sup><br>H*  | TWA: 10 mg/m <sup>3</sup><br>TWA: 20 ppm<br>TWA: 52 mg/m <sup>3</sup><br>STEL: 40 ppm<br>STEL: 104 mg/m <sup>3</sup><br>STEL: 30 mg/m <sup>3</sup><br>Sk* |   |
| Sodium benzoate<br>532-32-1 | -   |  | TWA: 0.2 ppm<br>TWA: 1 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>STEL: 0.8 ppm<br>STEL: 4 mg/m <sup>3</sup><br>STEL: 20 mg/m <sup>3</sup><br>H* | -   |   |

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

| Chemical name          | Oral | Dermal                    | Inhalation                   |
|------------------------|------|---------------------------|------------------------------|
| ethanediol<br>107-21-1 | -    | 106 mg/kg bw/day [4] [6]  | 35 mg/m <sup>3</sup> [5] [6] |
| Sodium benzoate        | -    | 62.5 mg/kg bw/day [4] [6] | 3 mg/m <sup>3</sup> [4] [6]  |

| Chemical name | Oral | Dermal | Inhalation                    |
|---------------|------|--------|-------------------------------|
| 532-32-1      |      |        | 0.1 mg/m <sup>3</sup> [5] [6] |

**Derived No Effect Level (DNEL) - General Public** No information available.

| Chemical name               | Oral                      | Dermal | Inhalation  |
|-----------------------------|---------------------------|--------|---|
| ethanediol<br>107-21-1      | -                         | -      | 7 mg/m <sup>3</sup> [5] [6]                                     |
| Sodium benzoate<br>532-32-1 | 16.6 mg/kg bw/day [4] [6] | -      | 1.5 mg/m <sup>3</sup> [4] [6]<br>0.06 mg/m <sup>3</sup> [5] [6] |

**Predicted No Effect Concentration (PNEC)** No information available.

| Chemical name                                    | Freshwater | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|--|------------|--------------------------------------|--------------|--|-----|
| didecyldimethylammonium<br>chloride<br>7173-51-5 | 1.1 µg/L   | 0.21 µg/L                            | 0.11 µg/L    | 0.021 µg/L                             | -   |
| ethanediol<br>107-21-1                           | 10 mg/L    | 10 mg/L                              | 1 mg/L       | 10 mg/L                                | -   |
| Sodium benzoate<br>532-32-1                      | 0.13 mg/L  | 305 µg/L                             | 0.013 mg/L   | -                                      | -   |

| Chemical name                                    | Freshwater<br>sediment     | Marine sediment            | Sewage treatment | Soil               | Food chain     |
|--|----------------------------|----------------------------|------------------|--------------------|----------------|
| didecyldimethylammonium<br>chloride<br>7173-51-5 | 61.86 mg/kg<br>sediment dw | 6.186 mg/kg<br>sediment dw | 0.14 mg/L        | 1.4 mg/kg soil dw  | -              |
| ethanediol<br>107-21-1                           | 37 mg/kg sediment<br>dw    | 3.7 mg/kg sediment<br>dw   | 199.5 mg/L       | 1.53 mg/kg soil dw | -              |
| Sodium benzoate<br>532-32-1                      | 1.76 mg/kg<br>sediment dw  | 0.176 mg/kg<br>sediment dw | 10 mg/L          | 0.06 mg/kg soil dw | 300 mg/kg food |

## 8.2. Exposure controls

**Engineering controls** No information available.

### Personal protective equipment

**Eye/face protection** Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Hand protection** Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

**Skin and body protection** Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

|  |  |
|--|--|
| <b>Respiratory protection</b>          | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>General hygiene considerations</b>  | Handle in accordance with good industrial hygiene and safety practice.   |
| <b>Environmental exposure controls</b> | No information available.  |

**SECTION 9: Physical and chemical properties**

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

|                       |                 |
|-----------------------|-----------------|
| <b>Physical state</b> | Liquid          |
| <b>Appearance</b>     | Liquid          |
| <b>Color</b>          | Light (or pale) |
| <b>Odor</b>           | Characteristic. |
| <b>Odor threshold</b> |                 |

| <u>Property</u>                                | <u>Values</u>     | <u>Remarks • Method</u>             |
|--|-------------------|-------------------------------------|
| <b>Melting point / freezing point</b>          | No data available | None known                          |
| <b>Initial boiling point and boiling range</b> | 100               | 100°C/212°F                         |
| <b>Flammability</b>                            | No data available | None known                          |
| <b>Flammability Limit in Air</b>               |                   | None known                          |
| <b>Upper flammability or explosive limits</b>  | No data available |                                     |
| <b>Lower flammability or explosive limits</b>  | No data available |                                     |
| <b>Flash point</b>                             | No data available | None known                          |
| <b>Autoignition temperature</b>                | No data available | None known                          |
| <b>Decomposition temperature</b>               |                   | None known                          |
| <b>pH</b>                                      | No data available | pH (concentrated solution): 6.5-7.5 |
| <b>pH (as aqueous solution)</b>                | No data available | None known                          |
| <b>Kinematic viscosity</b>                     | No data available | None known                          |
| <b>Dynamic viscosity</b>                       | No data available | None known                          |
| <b>Water solubility</b>                        | No data available | None known                          |
| <b>Solubility(ies)</b>                         | No data available | None known                          |
| <b>Partition coefficient</b>                   | No data available | None known                          |
| <b>Vapor pressure</b>                          | No data available | None known                          |
| <b>Relative density</b>                        | 1.0 @ 21°C        | None known                          |
| <b>Bulk density</b>                            | No data available |                                     |
| <b>Liquid Density</b>                          | No data available |                                     |
| <b>Relative vapor density</b>                  | No data available | None known                          |
| <b>Particle characteristics</b>                |                   |                                     |
| <b>Particle Size</b>                           |                   |                                     |
| <b>Particle Size Distribution</b>              |                   |                                     |

**9.2. Other information**

9.2.1. Information with regard to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity** No information available.

**10.2. Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** Do not freeze.

**10.5. Incompatible materials**

**Incompatible materials** None known based on information supplied.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** May cause irritation.

**Skin contact** May cause irritation.

**Ingestion** May cause irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Acute toxicity**

**Numerical measures of toxicity**

No information available

| Chemical name                    | Oral LD50          | Dermal LD50          | Inhalation LC50 |
|----------------------------------|--------------------|----------------------|-----------------|
| WATER                            | > 90 mL/kg ( Rat ) | -                    | -               |
| didecyldimethylammonium chloride | = 84 mg/kg ( Rat ) | > 1000 mg/kg ( Rat ) | -               |



|                                   |                      |                       |                        |
|-----------------------------------|----------------------|-----------------------|------------------------|
| ethanediol                        | = 4700 mg/kg ( Rat ) | = 10600 mg/kg ( Rat ) | > 2.5 mg/L ( Rat ) 6 h |
| Sodium benzoate                   | = 4070 mg/kg ( Rat ) | -                     | -                      |
| Potassium (E,E)-hexa-2,4-dienoate | = 3200 mg/kg ( Rat ) | -                     | -                      |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**11.2.2. Other information**

**Other adverse effects**

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

| Chemical name                    | Algae/aquatic plants | Fish                               | Toxicity to microorganisms | Crustacea |
|----------------------------------|----------------------|------------------------------------|----------------------------|-----------|
| didecyldimethylammonium chloride | -                    | LC50: =0.97mg/L (96h, Danio rerio) | -                          | -         |

|                                   |   |  |   |                                       |
|-----------------------------------|---|--|---|---------------------------------------|
| ethanediol                        | EC50: 6500 - 13000mg/L (96h, Pseudokirchneriella subcapitata) | LC50: =41000mg/L (96h, Oncorhynchus mykiss)<br>LC50: 14 - 18mL/L (96h, Oncorhynchus mykiss)<br>LC50: =27540mg/L (96h, Lepomis macrochirus)<br>LC50: =40761mg/L (96h, Oncorhynchus mykiss)<br>LC50: 40000 - 60000mg/L (96h, Pimephales promelas)<br>LC50: =16000mg/L (96h, Poecilia reticulata) | - | EC50: =46300mg/L (48h, Daphnia magna) |
| Sodium benzoate                   | -   | LC50: 420 - 558mg/L (96h, Pimephales promelas)<br>LC50: >100mg/L (96h, Pimephales promelas)  | - | EC50: <650mg/L (48h, Daphnia magna)   |
| Potassium (E,E)-hexa-2,4-dienoate | -   | LC50: =1250mg/L (96h, Brachydanio rerio)   | - | EC50: =750mg/L (48h, Daphnia magna)   |

**12.2. Persistence and degradability**

**Persistence and degradability**

**12.3. Bioaccumulative potential**

**Bioaccumulation**

There is no data for this product.

| Chemical name                    | Partition coefficient |
|----------------------------------|-----------------------|
| didecyldimethylammonium chloride | 2.58                  |
| ethanediol                       | -1.36                 |
| Sodium benzoate                  | -2.13                 |

**12.4. Mobility in soil**

**Mobility in soil** Soluble in water.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment**

The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

| Chemical name                     | PBT and vPvB assessment                                       |
|-----------------------------------|---|
| didecyldimethylammonium chloride  | The substance is not PBT / vPvB                               |
| ethanediol                        | The substance is not PBT / vPvB PBT assessment does not apply |
| Sodium benzoate                   | The substance is not PBT / vPvB                               |
| Potassium (E,E)-hexa-2,4-dienoate | The substance is not PBT / vPvB                               |

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties**

No information available.

12.7. Other adverse effects

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** No information available.

**SECTION 14: Transport information**

IATA

14.1 UN number or ID number Not regulated  
14.2 UN proper shipping name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None

IMDG

14.1 UN number or ID number Not regulated  
14.2 UN proper shipping name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None  
14.7 Maritime transport in bulk according to IMO instruments

RID

14.1 UN number or ID number Not regulated  
14.2 UN proper shipping name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None

ADR

14.1 UN number or ID number Not regulated  
14.2 UN proper shipping name Not regulated  
14.3 Transport hazard class(es) Not regulated  
14.4 Packing group Not regulated  
14.5 Environmental hazards Not applicable  
14.6 Special precautions for user  
Special Provisions None

**SECTION 15: Regulatory information**

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

| Chemical name         | French RG number |
|-----------------------|------------------|
| ethanediol - 107-21-1 | RG 84            |

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name                                  | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|--|---|--|
| didecyldimethylammonium chloride - 7173-51-5   | 75.                                       | -  |
| Potassium (E,E)-hexa-2,4-dienoate - 24634-61-5 | 75.                                       | -  |

**Persistent Organic Pollutants**

Not applicable

| Chemical name                                | European Export/Import Restrictions per (EC) 649/2012 - Annex Number |
|--|--|
| didecyldimethylammonium chloride - 7173-51-5 | I.1  |

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

| Chemical name                                  | Biocidal Products Regulation (EU) No 528/2012 (BPR)  |
|--|--|
| didecyldimethylammonium chloride - 7173-51-5   | Product-type 3: Veterinary hygiene Product-type 8: Wood preservatives Product-type 1: Human hygiene Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals Product-type 6: Preservatives for products during storage Product-type 10: Construction material preservatives Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides |
| Sodium benzoate - 532-32-1                     | Simplified procedure - Category 1  |
| Potassium (E,E)-hexa-2,4-dienoate - 24634-61-5 | Product-type 8: Wood preservatives Simplified procedure - Category 6   |

**International Inventories**

|                      |  |
|----------------------|--|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECL</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIIC</b>          | Contact supplier for inventory compliance status |

**NZIoC**

Contact supplier for inventory compliance status

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report**

No information available

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | Sk*  | Skin designation                 |
| +       | Sensitizers                 |      |                                  |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Prepared By** Technical Department

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**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

**Disclaimer**

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**End of Safety Data Sheet**