



SAFETY DATA SHEET

BARRATT CAR AIR FRESHENER - REFRESHERS

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Compilation date: 01/08/2019

Revision No: 1

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

1.1. Product identifier

Product name: BARRATT CAR AIR FRESHENER - REFRESHERS

Product code: BT1000

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

Use of substance / mixture: PC3: Air care products.

1.3. Details of the supplier of the safety data sheet

Company name: 151 Products Ltd
The Old School House
39 Bengal Street
Manchester
M4 6AF
United Kingdom

Tel: +44 (0)161 839 5949

Fax: +44 (0)161 839 5493

Email: fereshteh@151.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0)161 839 5949

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects: Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark

GHS09: Environmental



[cont...]

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Signal words: Warning

Precautionary statements: P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash hands thoroughly after handling.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P273: Avoid release to the environment.

P501: Dispose of contents/container to in accordance with local, regional and national regulations.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DIPROPYLENE GLYCOL MONOMETHYL ETHER

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|------------|--|--------------------|---------|
| 252-104-2 | 34590-94-8 | Substance with a Community workplace exposure limit. | - | 50-75% |

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| | | | | |
|-----------|------------|---|------------------------------|--------|
| 920-901-0 | 64742-48-9 | - | Asp. Tox. 1: H304; -: EUH066 | 10-25% |
|-----------|------------|---|------------------------------|--------|

DIPENTENE

| | | | | |
|-----------|----------|---|---|-------|
| 205-341-0 | 138-86-3 | - | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | 5-10% |
|-----------|----------|---|---|-------|

2,6-DIMETHYLOCT-7-EN-2-OL

| | | | | |
|-----------|------------|---|---|-------|
| 242-362-4 | 18479-58-8 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315 | 5-10% |
|-----------|------------|---|---|-------|

OCTANAL

| | | | | |
|-----------|----------|---|--|------|
| 204-863-8 | 124-13-0 | - | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411 | 1-3% |
|-----------|----------|---|--|------|

DECANAL

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|-----------|----------|---|---|------|
| 203-957-4 | 112-31-2 | - | Eye Irrit. 2: H319; Aquatic Chronic 3: H412 | 1-3% |
|-----------|----------|---|---|------|

CITRAL

| | | | | |
|-----------|-----------|---|---|------|
| 226-394-6 | 5392-40-5 | - | Skin Irrit. 2: H315; Skin Sens. 1: H317 | 1-3% |
|-----------|-----------|---|---|------|

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LINALOOL

| | | | | |
|-----------|---------|---|---------------------|------|
| 201-134-4 | 78-70-6 | - | Skin Sens. 1B: H317 | 1-3% |
|-----------|---------|---|---------------------|------|

PINENE BETA

| | | | | |
|-----------|----------|---|---|-----|
| 204-872-5 | 127-91-3 | - | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317; Asp. Tox. 1: H304 | <1% |
|-----------|----------|---|---|-----|

2,4-DIMETHYL-3-CYCLOHEXENECARBOXALDEHYDE

| | | | | |
|-----------|------------|---|---|-----|
| 268-264-1 | 68039-49-6 | - | Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411 | <1% |
|-----------|------------|---|---|-----|

LAURALDEHYDE

| | | | | |
|-----------|----------|---|---|-----|
| 203-983-6 | 112-54-9 | - | Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1B: H317 | <1% |
|-----------|----------|---|---|-----|

4-(4-METHYL-3-PENTENYL)CYCLOHEX-3-ENE-1-CARBALDEHYDE

| | | | | |
|-----------|------------|---|---|-----|
| 253-617-4 | 37677-14-8 | - | Skin Sens. 1B: H317; Aquatic Chronic 2: H411 | <1% |
|-----------|------------|---|---|-----|

TERPINOLENE

| | | | | |
|-----------|----------|---|--|-----|
| 209-578-0 | 586-62-9 | - | Aquatic Chronic 1: H410; Skin Sens. 1B: H317; Asp. Tox. 1: H304 | <1% |
|-----------|----------|---|--|-----|

PINENE ALPHA

| | | | | |
|-----------|---------|---|---|-----|
| 201-291-9 | 80-56-8 | - | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Aquatic Chronic 1: H410; Skin Sens. 1: H317; Skin Irrit. 2: H315 | <1% |
|-----------|---------|---|---|-----|

10-UNDECANOL

| | | | | |
|-----------|----------|---|---|-----|
| 203-973-1 | 112-45-8 | - | Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1B: H317 | <1% |
|-----------|----------|---|---|-----|

Contains: Contains allergens >0.01%.

d-Limonene

Citral

Linalool

Citronellol

Geraniol

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

[cont...]

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. KEEP OUT OF THE REACH OF CHILDREN.

Suitable packaging: Must only be kept in original packaging.

[cont...]

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7.3. Specific end use(s)

Specific end use(s): PC3: Air care products.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

DIPROPYLENE GLYCOL MONOMETHYL ETHER

| Type | Exposure | Value | Population | Effect |
|------|-----------------------|------------------------|--------------------|----------|
| PNEC | Fresh water | 19mg/l | - | - |
| PNEC | Marine water | 1.9mg/l | - | - |
| PNEC | Fresh water sediments | 70.2 mg/kg | - | - |
| PNEC | Marine sediments | 7.02 mg/kg | - | - |
| PNEC | Soil | 2.74mg/kg | - | - |
| DNEL | Inhalation | 308 mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 283 mg/kg bw/day | Workers | Systemic |
| DNEL | Inhalation | 37.2 mg/m ³ | General Population | Systemic |
| DNEL | Dermal | 121 mg/kg bw/day | General Population | Systemic |

2,6-DIMETHYLOCT-7-EN-2-OL

| Type | Exposure | Value | Population | Effect |
|------|-----------------------|-----------------------|--------------------|----------|
| DNEL | Inhalation | 73.5mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 20.8mg/kg bw | Workers | Systemic |
| DNEL | Inhalation | 21.7mg/m ³ | General Population | Systemic |
| DNEL | Dermal | 12.5mg/kg bw | General Population | Systemic |
| DNEL | Oral | 12.5mg/kg bw | General Population | Systemic |
| PNEC | Fresh water | 27.8µg/L | - | - |
| PNEC | Fresh water sediments | 0.594mg/kg sediment | - | - |
| PNEC | Marine water | 2.78µg/L | - | - |
| PNEC | Marine sediments | 0.059mg/kg sediment | - | - |
| PNEC | STP | 10mg/L | - | - |
| PNEC | Soil | 0.103mg/kg | - | - |
| PNEC | Food chain | 111mg/kg food | - | - |

[cont...]

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OCTANAL

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|-----------------------|--------------------|----------|
| DNEL | Inhalation (Long term) | 1.3mg/m ³ | Workers | Systemic |
| DNEL | Dermal (Long term) | 0.37mg/kg bw | Workers | Systemic |
| DNEL | Inhalation (Long term) | 0.32mg/m ³ | General Population | Systemic |
| DNEL | Dermal (Long term) | 0.19mg/kg bw | General Population | Systemic |
| DNEL | Oral (Long term) | 0.19mg/kg bw | General Population | Systemic |
| PNEC | Fresh water | 0.002mg/L | - | - |
| PNEC | Fresh water sediments | 0.071mg/kg sediment | - | - |
| PNEC | Marine water | 0mg/L | - | - |
| PNEC | Marine sediments | 0.007mg/kg sediment | - | - |
| PNEC | Microorganisms in sewage treatment | 3.16mg/L | - | - |
| PNEC | Soil | 0.013mg/kg soil | - | - |

DECANAL

| Type | Exposure | Value | Population | Effect |
|------|------------------------------------|-------------------------|--------------------|----------|
| DNEL | Inhalation (repeated dose) | 24.86mg/m ³ | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 62.14mg/m ³ | Workers | Local |
| DNEL | Dermal (repeated dose) | 7.05mg/kg bw | Workers | Systemic |
| DNEL | Dermal (repeated dose) | 17.62mg/cm ² | Workers | Local |
| DNEL | Inhalation (repeated dose) | 6.13mg/m ³ | General Population | Systemic |
| DNEL | Inhalation (repeated dose) | 15.32mg/m ³ | General Population | Local |
| DNEL | Dermal (repeated dose) | 3.52mg/kg bw | General Population | Systemic |
| DNEL | Dermal (repeated dose) | 8.81mg/cm ² | General Population | Local |
| DNEL | Oral (repeated dose) | 3.52mg/kg bw | General Population | Systemic |
| PNEC | Fresh water | 1.17µg/L | - | - |
| PNEC | Fresh water sediments | 0.097mg/kg sediment | - | - |
| PNEC | Marine water | 0.117µg/L | - | - |
| PNEC | Marine sediments | 0.01mg/kg sediment | - | - |
| PNEC | Microorganisms in sewage treatment | 3.16mg/L | - | - |
| PNEC | Soil | 0.019mg/kg soil | - | - |
| PNEC | Food chain | 313mg/kg food | - | - |

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CITRAL

| Type | Exposure | Value | Population | Effect |
|------|-----------------------|-----------------------|--------------------|----------|
| DNEL | Inhalation | 9mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 1.7mg/kg | Workers | Systemic |
| DNEL | Inhalation | 2.7mg/m ³ | General Population | Systemic |
| DNEL | Dermal | 1mg/kg | General Population | Systemic |
| DNEL | Dermal | 140µg/cm ² | General Population | Local |
| DNEL | Oral | 0.6mg/kg | General Population | Systemic |
| PNEC | Fresh water | 0.007mg/L | - | - |
| PNEC | Fresh water sediments | 0.125mg/kg | - | - |
| PNEC | Marine water | 0.001 mg/L | - | - |
| PNEC | Marine sediments | 0.013mg/kg | - | - |
| PNEC | Soil | 0.021mg/kg | - | - |
| PNEC | STP | 1.6mg/L | - | - |

LINALOOL

| Type | Exposure | Value | Population | Effect |
|------|-----------------------|-----------------------|--------------------|----------|
| PNEC | Fresh water | 0.2mg/L | - | - |
| PNEC | Fresh water sediments | 2.22mg/kg sediment | - | - |
| PNEC | Marine water | 0.02mg/L | - | - |
| PNEC | Marine sediments | 0.222mg/kg sediment | - | - |
| PNEC | Soil | 0.327mg/kg soil | - | - |
| PNEC | Food chain | 7.8mg/kg food | - | - |
| DNEL | Inhalation | 2.8mg/m ³ | Workers | Systemic |
| DNEL | Dermal | 2.5mg/kg bw | Workers | Systemic |
| DNEL | Dermal | 3mg/cm ² | Workers | Local |
| DNEL | Inhalation | 0.7mg/m ³ | General Population | Systemic |
| DNEL | Dermal | 1.25mg/kg bw | General Population | Systemic |
| DNEL | Dermal | 1.5mg/cm ² | General Population | Local |
| DNEL | Oral | 0.2mg/kg bw | General Population | Systemic |

LAURALDEHYDE

| Type | Exposure | Value | Population | Effect |
|------|------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (Long term) | 49.7mg/m ³ | Workers | Systemic |
| DNEL | Dermal (Long term) | 14.1mg/kg bw | Workers | Systemic |
| DNEL | Dermal (Long term) | 0.57µg/cm ² | Workers | Local |
| DNEL | Inhalation (Long term) | 12.3mg/m ³ | General Population | Systemic |

[cont...]

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| | | | | |
|------|------------------------------------|------------------------|--------------------|----------|
| DNEL | Dermal (Long term) | 7mg/kg bw | General Population | Systemic |
| DNEL | Dermal (Long term) | 0.28µg/cm ² | General Population | Local |
| DNEL | Oral (Long term) | 7mg/kg bw | General Population | Systemic |
| PNEC | Fresh water | 0.004mg/L | - | - |
| PNEC | Fresh water sediments | 1.41mg/kg sediment | - | - |
| PNEC | Marine sediments | 0.141mg/kg sediment | - | - |
| PNEC | Microorganisms in sewage treatment | 10mg/L | - | - |
| PNEC | Food chain | 313mg/kg food | - | - |

TERPINOLENE

| Type | Exposure | Value | Population | Effect |
|------|-----------------------|-------------------------|--------------------|-------------------------------|
| DNEL | Inhalation | 3.6 mg/m ³ | Workers | Systemic (Long Term Exposure) |
| DNEL | Dermal | 0.52 mg/kg bw/day | Workers | Systemic (Long Term Exposure) |
| DNEL | Dermal | 44 µg/cm ² | Workers | Local (long Term Exposure) |
| DNEL | Inhalation | 0.9 mg/m ³ | General Population | Systemic (Long Term Exposure) |
| DNEL | Dermal | 0.26 mg/kg bw/day | General Population | Systemic (Long Term Exposure) |
| DNEL | Oral | 0.26 mg/kg bw/day | General Population | Systemic (Long Term Exposure) |
| PNEC | Fresh water sediments | 0.634 µg/L | - | - |
| PNEC | Fresh water sediments | 147 µg/kg sediment d | - | - |
| PNEC | Marine water | 0.063 µg/L | - | - |
| PNEC | Marine sediments | 14.7 µg/kg sediment | - | - |
| PNEC | Soil | 29.1 µg/kg soil dw | - | - |

PINENE ALPHA

| Type | Exposure | Value | Population | Effect |
|------|------------------------|------------------------|--------------------|--------------------------------|
| DNEL | Inhalation (Long term) | 5.98 mg/m ³ | Workers | Systemic (ILong Term Exposure) |
| DNEL | Dermal (Long term) | 161 µg/cm ² | Workers | Local (Acute Exposure) |
| DNEL | Inhalation (Long term) | 1.06 mg/m ³ | General Population | Systemic (ILong Term Exposure) |

[cont...]

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| | | | | |
|------|-----------------------|-----------------------|--------------------|-------------------------------|
| DNEL | Dermal (Long term) | 81 µg/cm ² | General Population | Systemic (Long Term Exposure) |
| DNEL | Oral (Long term) | 0.31 mg/kg bw/day | General Population | Systemic (Long Term Exposure) |
| PNEC | Fresh water | 4 µg/L | - | - |
| PNEC | Fresh water sediments | 1.033 mg/kg sediment | - | - |
| PNEC | Marine water | 0.4 µg/L | - | - |
| PNEC | Marine sediments | 0.103 mg/kg sediment | - | - |
| PNEC | Soil | 0.539 mg/kg soil dw | - | - |

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: No special requirements under normal conditions of use.

Hand protection: No special requirements under normal conditions of use.

Eye protection: No special requirements under normal conditions of use.

Skin protection: No special requirements under normal conditions of use.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Odour: Pleasant

Flash point°C: 60 - 93

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

[cont...]

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10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIPROPYLENE GLYCOL MONOMETHYL ETHER

| | | | | |
|---------|-----|--------|--------|-------|
| DERMAL | RBT | LD50 | >20000 | mg/kg |
| ORAL | RAT | LD50 | >5000 | mg/kg |
| VAPOURS | RAT | 7H LC0 | >275 | ppm |

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| | | | | |
|---------|-----|-----------------------|-------|-------|
| DERMAL | RBT | LD50 (Read across) | >3160 | mg/kg |
| ORAL | RAT | LD50 (Read across) | >15 | g/kg |
| VAPOURS | RAT | 4H LC50 (Read across) | 4951 | mg/m3 |

DIPENTENE

| | | | | |
|-----|-----|------|------|-------|
| IVN | MUS | LD50 | 1010 | µl/kg |
| ORL | MUS | LD50 | 5550 | µl/kg |
| ORL | RAT | LD50 | 5300 | mg/kg |

2,6-DIMETHYLOCT-7-EN-2-OL

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >5000 | mg/kg |
| ORAL | RAT | LD50 | 4.1 | g/kg |

OCTANAL

| | | | | |
|---------|-----|---------|-------|-------|
| DERMAL | RBT | LD50 | >5000 | mg/kg |
| ORAL | RAT | LD50 | 4617 | mg/kg |
| VAPOURS | RAT | 8H LC50 | 0.83 | g/l |

DECANAL

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|--------|-----|------|------|-------|
| DERMAL | RBT | LD50 | 5.04 | mL/kg |
| ORAL | RAT | LD50 | >33 | g/kg |

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CITRAL

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|-----|-----|------|------|-------|
| IPR | RAT | LD50 | 460 | mg/kg |
| ORL | MUS | LD50 | 6 | g/kg |
| ORL | RAT | LD50 | 4960 | mg/kg |

LINALOOL

| | | | | |
|---------|-----|------|------|-------|
| DERMAL | RBT | LD50 | 5610 | mg/kg |
| ORAL | MUS | LD50 | 2200 | mg/kg |
| ORAL | RAT | LD50 | 2790 | mg/kg |
| VAPOURS | MUS | LC50 | >3.2 | mg/l |

PINENE BETA

| | | | | |
|----------------------|--------|------|-------|-------|
| DERMAL (Read across) | RABBIT | LD50 | >2500 | mg/kg |
| ORAL | RAT | LD50 | >2000 | mg/kg |

2,4-DIMETHYL-3-CYCLOHEXENECARBOXALDEHYDE

| | | | | |
|------|-----|------|-------|-------|
| ORAL | RAT | LD50 | >2000 | mg/kg |
|------|-----|------|-------|-------|

LAURALDEHYDE

| | | | | |
|------|-----|------|------|------|
| ORAL | RAT | LD50 | 23.1 | g/kg |
|------|-----|------|------|------|

TERPINOLENE

| | | | | |
|--------|--------|------|------|-------|
| DERMAL | RABBIT | LD50 | 4300 | mg/kg |
| ORAL | RAT | LD50 | 3740 | mg/kg |

PINENE ALPHA

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|--------|--------|------|-------|-------|
| DERMAL | RABBIT | LD50 | >5000 | mg/kg |
| ORAL | RAT | LD50 | >2000 | mg/kg |

10-UNDECANOL

| | | | | |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >5000 | mg/kg |
| ORAL | RAT | LD50 | >5000 | mg/kg |

Relevant hazards for product:

| Hazard | Route | Basis |
|--------------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Respiratory/skin sensitisation | DRM | Hazardous: calculated |

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Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

DIPROPYLENE GLYCOL MONOMETHYL ETHER

| | | | |
|--|----------|--------|------|
| BROWN SHRIMP (<i>Crangon crangon</i>) | 96H LC50 | >10000 | mg/l |
| Daphnia magna | 48H EC50 | 1919 | mg/l |
| FATHEAD MINNOW (<i>Pimephales promelas</i>). | 96H LC50 | >10000 | mg/l |

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| | | | |
|--|------------------------|-------|------|
| Daphnia magna | 48H EC50 (Read across) | >1000 | mg/l |
| Pseudokirchnerella subcapitata | 72H ErC50 | >1000 | mg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50 (Read across) | >1000 | mg/l |

2,6-DIMETHYLOCT-7-EN-2-OL

| | | | |
|--|-----------------------|------|------|
| ALGAE | 72H ErC50 | 80 | mg/l |
| Daphnia magna | 48H EC50 | 38 | mg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50(Read across) | 27.8 | mg/l |

OCTANAL

| | | | |
|--|-----------|------|------|
| ALGAE (<i>Pseudokirchneriella subcapitata</i>) | 72H ErC50 | 0.92 | mg/l |
| Daphnia magna | 48H EC50 | 1.54 | mg/l |
| GUPPY (<i>Poecilia reticulata</i>) | 14D LC50 | 7.9 | mg/l |

DECANAL

| | | | |
|--|-------------------------|------|------|
| Daphnia magna | 48H EC50 | 1.17 | mg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50 | 1.45 | mg/l |
| Selenastrum capricornutum | 72H ErC50 (Read across) | 4.50 | mg/l |

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CITRAL

| | | | |
|-------------------------|-----------|-------|------|
| Daphnia magna | 48H EC50 | 6.8 | mg/l |
| FRESHWATER FISH | 96H LC50 | 6.78 | mg/l |
| Scenedesmus Subspicatus | 72H ErC50 | 103.8 | mg/l |

LINALOOL

| | | | |
|--|----------|------|------|
| Daphnia magna | 48H EC50 | 59 | mg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50 | 27.8 | mg/l |

PINENE BETA

| | | | |
|---------------------------------|----------|----------------------|---|
| CARP (<i>Ciprinus carpio</i>) | 96H LC50 | > Limit of solubilit | - |
|---------------------------------|----------|----------------------|---|

LAURALDEHYDE

| | | | |
|--|-----------|---------|------|
| Daphnia magna | 48H EC50 | 1.1 | mg/l |
| Pseudokirchneriella subcapitata | 72H ErC50 | > 0.048 | mg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50 | 2.6 | mg/l |

TERPINOLENE

| | | | |
|--|----------|-------|------|
| Daphnia magna | 48H EC50 | 0.634 | mg/l |
| ZEBRAFISH (<i>Brachydanio rerio</i>) | 96H LC50 | 0.805 | mg/l |

PINENE ALPHA

| | | | |
|-----------------|----------|------|------|
| Daphnia magna | 48H LC50 | 41 | mg/l |
| Fat Head Minnow | 96H LC50 | 0.28 | mg/l |

10-UNDECANOL

| | | | |
|--------------------------------------|------------------------|--------|------|
| Daphnia magna | 48H EC50 (QSAR) | 4.05 | mg/l |
| GUPPY (<i>Poecilia reticulata</i>) | 96H LC50 (Read across) | 3.19 | mg/l |
| ZEBRAFISH (<i>Danio rerio</i>) | 96H LC50 | >18.75 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Miscible with water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

[cont...]

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12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Disposal should be in accordance with local authority regulations.

Disposal of packaging: Disposal should be in accordance with local authority regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: -

Transport category: 3

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

[cont...]

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H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

