



**SAFETY DATA SHEET**  
PAN AROMA AIRFRESHENER BEADS - CITRUS ZEST

**Page:** 1  
**Compilation date:** 22/09/2021  
**Revision No:** 1

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

**1.1. Product identifier**

**Product name:** PAN AROMA AIRFRESHENER BEADS - CITRUS ZEST

**Product code:** PAN0479

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

**Use of substance / mixture:** SU 21 - Consumer Uses.

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

+353 (0) 18092166 National Poison Centre -Ireland

(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Aquatic Chronic 3: H412; Skin Sens. 1: H317

**Most important adverse effects:** May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**UFI:** QX32-K0MP-F00F-U78P

**Hazard statements:** H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS07: Exclamation mark



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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.

P101: If medical advice is needed, have product container or label at hand.

P273: Avoid release to the environment.

P501: Dispose of contents/container to local authority guidelines.

### 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:

##### HEXYL CINNAMAL

| EINECS    | CAS      | PBT / WEL | CLP Classification                           | Percent |
|-----------|----------|-----------|--|---------|
| 202-983-3 | 101-86-0 | -         | Skin Sens. 1B: H317; Aquatic Chronic 2: H411 | <1%     |

##### D-LIMONENE

|           |           |   |   |     |
|-----------|-----------|---|---|-----|
| 227-813-5 | 5989-27-5 | - | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 | <1% |
|-----------|-----------|---|---|-----|

##### LINALYL ACETATE

|           |          |   |  |     |
|-----------|----------|---|--|-----|
| 204-116-4 | 115-95-7 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 | <1% |
|-----------|----------|---|--|-----|

##### LINALOOL

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

##### BUTYLPHENYL METHYLPROPIONAL

|           |         |   |  |     |
|-----------|---------|---|--|-----|
| 201-289-8 | 80-54-6 | - | Acute Tox. 4: H302; Skin Irrit. 2: H315; Skin Sens. 1B: H317; Aquatic Chronic 3: H412; Repr. 2: H361 | <1% |
|-----------|---------|---|--|-----|

##### CITRONELLOL

|           |          |   |  |     |
|-----------|----------|---|--|-----|
| 203-375-0 | 106-22-9 | - | Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1B: H317 | <1% |
|-----------|----------|---|--|-----|

[cont...]

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### TETRAMETHYL ACETYLOCTAHYDRONAPHTHALE

|           |            |   |   |     |
|-----------|------------|---|---|-----|
| 259-174-3 | 54464-57-2 | - | Skin Irrit. 2: H315; Skin Sens. 1: H317;<br>Aquatic Chronic 2: H411 | <1% |
|-----------|------------|---|---|-----|

### 2-METHYL-4-ISOTHIAZOLIN-3-ONE

|           |           |   |   |     |
|-----------|-----------|---|---|-----|
| 220-239-6 | 2682-20-4 | - | Acute Tox. 3: H301; Skin Corr. 1B:<br>H314; Skin Sens. 1A: H317; Acute Tox.<br>2: H330; Aquatic Acute 1: H400;<br>Aquatic Chronic 1: H410; Acute Tox. 3:<br>H311; -: EUH071 | <1% |
|-----------|-----------|---|---|-----|

**Contains:** Contains allergens >0.01%.

Hexyl cinnamal

d-Limonene

Linalool

Lilial (Butylphenyl methylpropional)

Citronellol

Citral

## 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. Consult a doctor.

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

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

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 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.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

### 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.

[cont...]

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### 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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.  
Do not create dust.

### 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:** 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. Avoid the formation or spread of dust in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**Hazardous ingredients:**

[cont...]

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### LINALYL ACETATE

| Type | Exposure               | Value                 | Population         | Effect   |
|------|------------------------|-----------------------|--------------------|----------|
| DNEL | Inhalation (Long term) | 2.75mg/m <sup>3</sup> | Workers            | Systemic |
| DNEL | Dermal (Long term)     | 2.5mg/kg              | Workers            | Systemic |
| DNEL | Dermal (Long term)     | 236µg/cm <sup>2</sup> | Workers            | Local    |
| DNEL | Inhalation (Long term) | 0.68mg/m <sup>3</sup> | General Population | Systemic |
| DNEL | Dermal (Long term)     | 1.25mg/kg bw          | General Population | Systemic |
| DNEL | Dermal (Long term)     | 236µg/cm <sup>2</sup> | General Population | Local    |
| DNEL | Oral (Long term)       | 0.2mg/kg bw           | General Population | Systemic |
| PNEC | Fresh water            | 0.011mg/L             | -                  | -        |
| PNEC | Fresh water sediments  | 0.609 mg/kg sediment  | -                  | -        |
| PNEC | Marine water           | 0.001mg/L             | -                  | -        |
| PNEC | Marine sediments       | 0.061 mg/kg sediment  | -                  | -        |
| PNEC | Soil                   | 0.115 mg/kg soil      | -                  | -        |

### 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 <sup>3</sup>  | Workers            | Systemic |
| DNEL | Dermal                | 2.5mg/kg bw           | Workers            | Systemic |
| DNEL | Dermal                | 3mg/cm <sup>2</sup>   | Workers            | Local    |
| DNEL | Inhalation            | 0.7mg/m <sup>3</sup>  | General Population | Systemic |
| DNEL | Dermal                | 1.25mg/kg bw          | General Population | Systemic |
| DNEL | Dermal                | 1.5mg/cm <sup>2</sup> | General Population | Local    |
| DNEL | Oral                  | 0.2mg/kg bw           | General Population | Systemic |

### BUTYLPHENYL METHYLPROPIONAL

| Type | Exposure   | Value                  | Population         | Effect   |
|------|------------|------------------------|--------------------|----------|
| DNEL | Inhalation | 0.201mg/m <sup>3</sup> | Workers            | Systemic |
| DNEL | Dermal     | 0.057mg/kg bw          | Workers            | Systemic |
| DNEL | Inhalation | 0.059mg/m <sup>3</sup> | General Population | Systemic |

[cont...]

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|      |              |                        |                    |          |
|------|--------------|------------------------|--------------------|----------|
| DNEL | Dermal       | 0.034mg/kg bw          | General Population | Systemic |
| DNEL | Dermal       | 0.41mg/cm <sup>2</sup> | General Population | Local    |
| DNEL | Oral         | 0.034mg/kgbw           | General Population | Systemic |
| PNEC | Fresh water  | 0.002mg/L              | -                  | -        |
| PNEC | Marine water | 0 mg/L                 | -                  | -        |
| PNEC | Soil         | 0.046mg/kgsoil dw      | -                  | -        |

### CITRONELLOL

| Type | Exposure              | Value                   | Population         | Effect   |
|------|-----------------------|-------------------------|--------------------|----------|
| DNEL | Inhalation            | 161.6mg/m <sup>3</sup>  | Workers            | Systemic |
| DNEL | Inhalation            | 10mg/m <sup>3</sup>     | Workers            | Local    |
| DNEL | Dermal                | 327.4mg/kgbw            | Workers            | Systemic |
| DNEL | Dermal                | 2 950µg/cm <sup>2</sup> | Workers            | Local    |
| DNEL | Inhalation            | 47.8mg/m <sup>3</sup>   | General Population | Systemic |
| DNEL | Inhalation            | 10mg/m <sup>3</sup>     | General Population | Local    |
| DNEL | Dermal                | 196.4mg/kg bw           | General Population | Systemic |
| DNEL | Dermal                | 2 950µg/cm <sup>2</sup> | General Population | Local    |
| DNEL | Oral                  | 13.8mg/kg bw            | General Population | Systemic |
| PNEC | Fresh water           | 0.002mg/L               | -                  | -        |
| PNEC | Fresh water sediments | 0.026mg/kg              | -                  | -        |
| PNEC | Marine water          | 0 mg/L                  | -                  | -        |
| PNEC | Marine sediments      | 0.003 mg/kg             | -                  | -        |
| PNEC | Soil                  | 0.004mg/kg              | -                  | -        |

### 2-METHYL-4-ISOTHIAZOLIN-3-ONE

| Type | Exposure                | Value                  | Population         | Effect   |
|------|-------------------------|------------------------|--------------------|----------|
| DNEL | Inhalation (Long term)  | 0.021mg/m <sup>3</sup> | Workers            | Local    |
| DNEL | Inhalation (Short term) | 0.043mg/m <sup>3</sup> | Workers            | Local    |
| DNEL | Inhalation (Long term)  | 0.021mg/m <sup>3</sup> | General Population | Local    |
| DNEL | Inhalation (Short term) | 0.043mg/m <sup>3</sup> | General Population | Local    |
| DNEL | Oral (Long term)        | 0.027mg/kg bw          | General Population | Systemic |
| DNEL | Oral (Short term)       | 0.053mg/kg bw          | General Population | Systemic |

### 8.2. Exposure controls

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

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

[cont...]

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## Section 9: Physical and chemical properties

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

**State:** Spheres

**Colour:** Pink/Colourless

**Odour:** Pleasant

**Solubility in water:** Soluble

**pH:** Approx. 7

### 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.

### 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:**

#### D-LIMONENE

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 5600 | mg/kg |
| ORL | RAT | LD50 | 4400 | mg/kg |
| SCU | MUS | LD50 | 3170 | mg/kg |

[cont...]

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### LINALYL ACETATE

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >5000 | mg/kg |
| IP     | MUS | LD50 | 720   | mg/kg |
| ORAL   | RAT | LD50 | >9    | g/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  |

### BUTYLPHENYL METHYLPROPIONAL

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
| ORAL   | RAT | LD50 | 1390  | mg/kg |

### CITRONELLOL

|        |        |      |      |       |
|--------|--------|------|------|-------|
| DERMAL | RABBIT | LD50 | 2650 | mg/kg |
| ORAL   | RAT    | LD50 | 3450 | mg/kg |

### 2-METHYL-4-ISOTHIAZOLIN-3-ONE

|        |     |      |     |       |
|--------|-----|------|-----|-------|
| DERMAL | RAT | LD50 | 242 | mg/kg |
| ORAL   | RAT | LD50 | 176 | mg/kg |

#### Relevant hazards for product:

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

#### 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.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

[cont...]



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**Hazardous ingredients:**

**LINALYL ACETATE**

|                         |           |    |      |
|-------------------------|-----------|----|------|
| Cyprinus carpio         | 96H LC50  | 11 | mg/l |
| Daphnia magna           | 48H EC50  | 15 | mg/l |
| Scenedesmus Subspicatus | 72H ErC50 | 62 | mg/l |

**LINALOOL**

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

**BUTYLPHENYL METHYLPROPIONAL**

|                               |          |      |      |
|-------------------------------|----------|------|------|
| Daphnia magna                 | 48H EC50 | 10.7 | mg/l |
| ZEBRAFISH (Brachydanio rerio) | 96H LC50 | 2.04 | mg/l |
| ZEBRAFISH (Brachydanio rerio) | 96H NOEC | 1.28 | mg/l |

**CITRONELLOL**

|                      |          |      |      |
|----------------------|----------|------|------|
| Daphnia magna        | 48H EC50 | 17.5 | mg/l |
| Daphnia magna        | 48H NOEC | 3.1  | mg/l |
| IDE (Leuciscus idus) | 96H LC50 | 14.6 | mg/l |
| IDE (Leuciscus idus) | 96H NOEC | 4.6  | mg/l |

**2-METHYL-4-ISOTHIAZOLIN-3-ONE**

|                                      |          |      |      |
|--------------------------------------|----------|------|------|
| Daphnia magna                        | 48H EC50 | 0.93 | mg/l |
| GREEN ALGA (Selastrum capricornutum) | 72H NOEC | 0.05 | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss)  | 96H LC50 | 4.7  | mg/l |

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

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

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

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

[cont...]

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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** A REACH registration number is not applicable as this product is a mixture.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

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

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

**Phrases used in s.2 and s.3:** EUH071: Corrosive to the respiratory tract.

H226: Flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H330: Fatal if inhaled.

H361: Suspected of damaging fertility or the unborn child.

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.

[cont...]

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**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.