

**NIELSEN****SAFETY DATA SHEET  
FRESH LINEN BURST****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** FRESH LINEN BURST**Internal identification** B042**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Air freshener**Uses advised against** Use only for intended applications.**1.3. Details of the supplier of the safety data sheet****Supplier** NIELSEN CHEMICALS  
RAWDON ROAD  
MOIRA  
SWADLINCOTE  
DERBYSHIRE  
DE12 6DA  
TEL: +44 (0) 1283 222277  
FAX: +44 (0) 1283 225731  
info@nielsenchemicals.com**1.4. Emergency telephone number****Emergency telephone** +44 (0) 777 8505 330 (24 hrs). +44 (0) 1865 407333 (24 hrs). MEDICAL AND ENVIRONMENTAL EMERGENCIES ONLY.**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)****Physical hazards** Aerosol 1 - H222, H229**Health hazards** Not Classified**Environmental hazards** Aquatic Chronic 3 - H412**2.2. Label elements****Pictogram****Signal word** Danger

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|                                 |  |
|---------------------------------|--|
| <b>Hazard statements</b>        | <p>H222 Extremely flammable aerosol.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains 4-TERTIARY-BUTYLCYCLOHEXYL ACETATE, HEXYL CINNAMAL, d-LIMONENE, 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE. May produce an allergic reaction.</p>  |
| <b>Precautionary statements</b> | <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P273 Avoid release to the environment.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> |

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

|   |  |
|---|--|
| <b>HYDROCARBON PROPELLANT</b>             | <b>60-100%</b>                                   |
| CAS number: 68476-85-7                    | EC number: 270-704-2                             |
| <b>Classification</b>                     |  |
| Flam. Gas 1 - H220                        |  |
| Press. Gas (Liq.) - H280                  |  |
| <b>Ethyl alcohol</b>                      | <b>1-5%</b>                                      |
| CAS number: 64-17-5                       | EC number: 200-578-6                             |
|   | REACH registration number: 01-2119457610-43-xxxx |
| <b>Classification</b>                     |  |
| Flam. Liq. 2 - H225                       |  |
| Eye Irrit. 2 - H319                       |  |
| <b>4-TERTIARY-BUTYLCYCLOHEXYL ACETATE</b> | <b>&lt;1%</b>                                    |
| CAS number: 32210-23-4                    | EC number: 250-954-9                             |
| <b>Classification</b>                     |  |
| Skin Sens. 1 - H317                       |  |
| <b>HEXYL CINNAMAL</b>                     | <b>&lt;1%</b>                                    |
| CAS number: 101-86-0                      | EC number: 202-983-3                             |
| M factor (Acute) = 1                      |  |
| <b>Classification</b>                     |  |
| Skin Sens. 1B - H317                      |  |
| Aquatic Acute 1 - H400                    |  |
| Aquatic Chronic 2 - H411                  |  |

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|  |                        |   |
|--|------------------------|---|
| <b>1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN</b>         | <b>&lt;1%</b>          |   |
| CAS number: 1222-05-5  | EC number: 214-946-9   |   |
| M factor (Acute) = 1   | M factor (Chronic) = 1 |   |
| <b>Classification</b>  |                        |   |
| Aquatic Acute 1 - H400   |                        |   |
| Aquatic Chronic 1 - H410   |                        |   |
| <b>d-LIMONENE</b>  | <b>&lt;1%</b>          |   |
| CAS number: 5989-27-5  | EC number: 227-813-5   |   |
| M factor (Acute) = 1   | M factor (Chronic) = 1 |   |
| <b>Classification</b>  |                        |   |
| Flam. Liq. 3 - H226  |                        |   |
| Skin Irrit. 2 - H315   |                        |   |
| Skin Sens. 1 - H317  |                        |   |
| Asp. Tox. 1 - H304   |                        |   |
| Aquatic Acute 1 - H400   |                        |   |
| Aquatic Chronic 1 - H410   |                        |   |
| <b>1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE</b> | <b>&lt;1%</b>          |   |
| CAS number: 54464-57-2   | EC number: 259-174-3   | REACH registration number: 01-2119489989-04-XXXX, |
| M factor (Chronic) = 1   |                        |   |
| <b>Classification</b>  |                        |   |
| Skin Irrit. 2 - H315   |                        |   |
| Skin Sens. 1 - H317  |                        |   |
| Aquatic Chronic 1 - H410   |                        |   |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                            |  |
|----------------------------|--|
| <b>General information</b> | Show this Safety Data Sheet to the medical personnel.  |
| <b>Inhalation</b>          | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.   |
| <b>Ingestion</b>           | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if symptoms are severe or persist.  |
| <b>Skin contact</b>        | Wash skin thoroughly with soap and water.  |
| <b>Eye contact</b>         | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues. |

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

|                   |  |
|-------------------|--|
| <b>Inhalation</b> | Vapours may cause headache, fatigue, dizziness and nausea. |
|-------------------|--|

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|                     |   |
|---------------------|---|
| <b>Ingestion</b>    | Gastrointestinal symptoms, including upset stomach. |
| <b>Skin contact</b> | Prolonged contact may cause dryness of the skin.    |
| <b>Eye contact</b>  | May cause discomfort.                               |

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

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

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

|                                      |   |
|--------------------------------------|---|
| <b>Specific hazards</b>              | Extremely flammable aerosol. Pressurised container: may burst if heated   |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). |

### **5.3. Advice for firefighters**

|   |   |
|---|---|
| <b>Protective actions during firefighting</b> | Cool containers exposed to flames with water until well after the fire is out. Evacuate area. |
|---|---|

## **SECTION 6: Accidental release measures**

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

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Provide adequate ventilation. Take precautionary measures against static discharges. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage. |
|-----------------------------|---|

### **6.2. Environmental precautions**

|                                  |  |
|----------------------------------|--|
| <b>Environmental precautions</b> | Do not discharge into drains or watercourses or onto the ground. |
|----------------------------------|--|

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

|                                |   |
|--------------------------------|---|
| <b>Methods for cleaning up</b> | Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. |
|--------------------------------|---|

### **6.4. Reference to other sections**

|                                    |   |
|------------------------------------|---|
| <b>Reference to other sections</b> | For personal protection, see Section 8. |
|------------------------------------|---|

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

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### Usage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Avoid breathing vapour/spray. Do not expose to temperatures exceeding 50°C/122°F. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not empty into drains. Do not eat, drink or smoke when using this product. Do not handle broken packages without protective equipment. Wash hands thoroughly after handling.

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

#### Storage precautions

Store at temperatures between 4°C and 40°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Storage class

Flammable compressed gas storage.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

#### Ethyl alcohol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Ethyl alcohol (CAS: 64-17-5)

|                            |   |
|----------------------------|---|
| <b>Ingredient comments</b> | WEL = Workplace Exposure Limits   |
| <b>DNEL</b>                | Workers - Inhalation; Short term : 1900 mg/m <sup>3</sup><br>Workers - Dermal; Long term systemic effects: 343 mg/kg/day<br>Workers - Inhalation; Long term : 950 mg/m <sup>3</sup><br>Consumer - Inhalation; Short term : 950 mg/m <sup>3</sup><br>Consumer - Dermal; Long term systemic effects: 206 mg/kg/day<br>Consumer - Inhalation; Long term : 114 mg/m <sup>3</sup><br>Consumer - Oral; Long term systemic effects: 87 mg/kg/day |
| <b>PNEC</b>                | - Fresh water; 0.96 mg/l<br>- Marine water; 0.79 mg/l<br>- Soil; 0.63 mg/kg<br>- STP; 580 mg/l<br>- Sediment (Freshwater); 3.6 mg/kg  |

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

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|                            |   |
|----------------------------|---|
| <b>Eye/face protection</b> | Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.   |
| <b>Hand protection</b>     | Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. For work of short duration or where a high degree of manual dexterity is needed, use protective gloves made of: Rubber (natural, latex). Nitrile rubber. Protective gloves should have a minimum thickness of 0.12 mm. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. |
| <b>Hygiene measures</b>    | Wash hands thoroughly after handling.   |

### SECTION 9: Physical and Chemical Properties

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

|                         |                      |
|-------------------------|----------------------|
| <b>Appearance</b>       | Aerosol.             |
| <b>Colour</b>           | Colourless.          |
| <b>Odour</b>            | Pleasant, agreeable. |
| <b>pH</b>               | Not applicable.      |
| <b>Relative density</b> | Not applicable.      |
| <b>Solubility(ies)</b>  | Soluble in water.    |

#### 9.2. Other information

|                          |                 |
|--------------------------|-----------------|
| <b>Other information</b> | Not determined. |
|--------------------------|-----------------|

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | There are no known reactivity hazards associated with this product. |
|-------------------|---|

#### 10.2. Chemical stability

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable at normal ambient temperatures and when used as recommended. |
|------------------|---|

#### 10.3. Possibility of hazardous reactions

|   |                 |
|---|-----------------|
| <b>Possibility of hazardous reactions</b> | Not determined. |
|---|-----------------|

#### 10.4. Conditions to avoid

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | Avoid heat, flames and other sources of ignition. |
|----------------------------|---|

#### 10.5. Incompatible materials

## FRESH LINEN BURST

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Prolonged contact may cause dryness of the skin.

**Eye contact** May cause discomfort.

### Toxicological information on ingredients.

#### HYDROCARBON PROPELLANT

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 21.6

Species Rat

ATE inhalation (vapours mg/l) 21.6

#### Ethyl alcohol

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 10,470.0

Species Rat

ATE oral (mg/kg) 10,470.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 17,100.0

Species Rabbit

ATE dermal (mg/kg) 17,100.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 124.7

Species Rat

ATE inhalation (vapours mg/l) 124.7

##### Specific target organ toxicity - repeated exposure

## FRESH LINEN BURST

**STOT - repeated exposure** NOAEL 1730 mg/kg, Oral,

**Target organs** Gastro-intestinal tract Liver

### SECTION 12: Ecological Information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Acute toxicity - fish** Not determined.

##### Ecological information on ingredients.

#### Ethyl alcohol

##### Acute aquatic toxicity

**Acute toxicity - fish** LC50, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)  
LC<sub>50</sub>, 96 hours: 11.000 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 12.34 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, hours: mg/l, Selenastrum capricornutum

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not determined.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

### SECTION 14: Transport information

#### Special Provisions note

#### 14.1. UN number

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950



## FRESH LINEN BURST

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

IMDG class 2.1

ICAO class/division 2.1

### Transport labels



### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Tunnel restriction code (D)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).  
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 (as amended).  
Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Commission Regulation (EU) No 2015/830 of 28 May 2015.

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

## FRESH LINEN BURST

|   |  |
|---|--|
| <b>Abbreviations and acronyms used in the safety data sheet</b> | <p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>UN: United Nations.</p>   |
| <b>Revision comments</b>  | NOTE: Lines within the margin indicate significant changes from the previous revision.   |
| <b>Revision date</b>  | 14/02/2018   |
| <b>Revision</b>   | 1.6  |
| <b>Supersedes date</b>  | 24/06/2015   |
| <b>Hazard statements in full</b>                                | <p>H220 Extremely flammable gas.</p> <p>H222 Extremely flammable aerosol.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H280 Contains gas under pressure; may explode if heated.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains 4-TERTIARY-BUTYLCYCLOHEXYL ACETATE, HEXYL CINNAMAL, d-LIMONENE, 1-(1,2,3,4,5,6,7,8-OCTAHYDRO-2,3,8,8-TETRAMETHYL-2-NAPHTHYL)ETHAN-1-ONE. May produce an allergic reaction.</p> |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.