



# Air Scents aerosol - Fresh linen

## Safety Data Sheet

according to SANS 10234:2019 and SANS 11014:2010  
Issue date: 6/1/2022 Revision date: 6/3/2024 Version: 1.1

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Air Scents aerosol - Fresh linen  
Type of product : Air freshener  
Product code : SH404, SH935  
Product group : Trade product

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

Use of the substance/mixture :

#### 1.3. Supplier's details

##### Manufacturer

Shield Chemicals (Pty) Ltd  
9 London Rd Apex  
P.O. Box 1939  
1501 Benoni – Gauteng  
South Africa  
T (011) 421 7111  
Contact: Jayson Clark

#### 1.4. Emergency telephone number

Emergency number : (011) 421 7111

### SECTION 2: Hazards identification

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

##### Classification according to the United Nations GHS

Aerosol, Category 1 H222;H229  
Hazardous to the aquatic environment – Acute Hazard, Category 3 H402  
Full text of H-statements: see section 16

#### 2.2. Label elements

##### Labelling according to the United Nations GHS

Hazard pictograms (GHS ZA) :



Signal word (GHS-ZA) : Danger  
Hazardous ingredients : Ethanol, propane, butane, liquefied, under pressure  
Hazard statements (GHS ZA) : H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H402 - Harmful to aquatic life  
Precautionary statements (GHS ZA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P273 - Avoid release to the environment.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501 - Dispose of contents and container to an approved waste disposal plant.

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### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Pressurised container: May burst if heated, Extremely flammable aerosol, Harmful to aquatic life

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                              | Product identifier | %           | Classification according to the United Nations GHS  |
|-----------------------------------|--------------------|-------------|---|
| butane, liquefied, under pressure | CAS-No.: 106-97-8  | 20.0 - 30.0 | Pyr. Gas Not classified<br>Flam. Gas 1, H220<br>Aquatic Acute 2, H401   |
| propane                           | CAS-No.: 74-98-6   | 10.0 - 20.0 | Pyr. Gas Not classified<br>Flam. Gas 1, H220<br>Aquatic Acute Not classified  |
| Ethanol                           | CAS-No.: 64-17-5   | 1.0 - 5.0   | Flam. Liq. 2, H225<br>Acute Tox. Not classified (Oral)<br>Acute Tox. Not classified (Dermal)<br>Acute Tox. Not classified (Inhalation:dust,mist)<br>Eye Irrit. 2A, H319<br>Aquatic Acute Not classified |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Fire hazard : Extremely flammable aerosol.  
Explosion hazard : Pressurised container: May burst if heated.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

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### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

No additional information available

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| propane (74-98-6)   |                             |
|---|-----------------------------|
| South Africa - Occupational Exposure Limits (Airborne Pollutants) |                             |
| Local name  | Propane                     |
| OEL TWA   | 1800 mg/m <sup>3</sup>      |
| OEL TWA [ppm]   | 1000 ppm                    |
| Regulatory reference  | Government Notice No. R 904 |
| butane, liquefied, under pressure (106-97-8)                      |                             |
| South Africa - Occupational Exposure Limits (Recommended Limits)  |                             |
| Local name  | Butane                      |

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| <b>butane, liquefied, under pressure (106-97-8)</b>                      |                             |
|--|-----------------------------|
| OEL TWA  | 1430 mg/m <sup>3</sup>      |
| OEL TWA [ppm]  | 600 ppm                     |
| OEL STEL   | 1780 mg/m <sup>3</sup>      |
| OEL STEL [ppm]   | 750 ppm                     |
| Regulatory reference   | Government Notice. R: 1179  |
| <b>South Africa - Occupational Exposure Limits (Airborne Pollutants)</b> |                             |
| Local name   | n-Butane                    |
| OEL TWA  | 1430 mg/m <sup>3</sup>      |
| OEL TWA [ppm]  | 600 ppm                     |
| OEL STEL   | 1780 mg/m <sup>3</sup>      |
| OEL STEL [ppm]   | 750 ppm                     |
| Regulatory reference   | Government Notice No. R 904 |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

**Personal protective equipment symbol(s):**



### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Thin emulsion.  
Colour : White.  
Odour : characteristic.  
Odour threshold : No data available  
pH : 6.5 – 8  
pH solution : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Relative evaporation rate (ether=1) : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Extremely flammable aerosol.

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|   |   |
|---|---|
| Vapour pressure                                 | : No data available                           |
| Vapour pressure at 50 °C                        | : No data available                           |
| Relative vapour density at 20 °C                | : No data available                           |
| Relative density                                | : No data available                           |
| Relative density of saturated gas/air mixture   | : No data available                           |
| Density   | : No data available                           |
| Relative gas density                            | : No data available                           |
| Solubility                                      | : No data available                           |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                           |
| Partition coefficient n-octanol/water (Log Kow) | : No data available                           |
| Viscosity, kinematic                            | : No data available                           |
| Viscosity, dynamic                              | : No data available                           |
| Explosive properties                            | : Pressurised container: May burst if heated. |
| Oxidising properties                            | : No data available                           |
| Explosive limits                                | : No data available                           |
| Lower explosive limit (LEL)                     | : No data available                           |
| Upper explosive limit (UEL)                     | : No data available                           |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| <b>Ethanol (64-17-5)</b> |               |
|--------------------------|---------------|
| LD50 oral rat            | 10470 mg/kg   |
| LD50 dermal rabbit       | > 15800 mg/kg |
| LC50 Inhalation - Rat    | 51 mg/l/4h    |

| <b>propane (74-98-6)</b>    |   |
|-----------------------------|---|
| LC50 Inhalation - Rat [ppm] | > 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases)) |

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| butane, liquefied, under pressure (106-97-8) |                             |
|--|-----------------------------|
| LC50 Inhalation - Rat                        | 1442.738 – 1443 mg/l 15 MIN |
| LC50 Inhalation - Rat [ppm]                  | 800000 ppm 15 MIN           |

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Skin corrosion/irritation         | : Not classified<br>pH: 6.5 – 8 |
| Serious eye damage/irritation     | : Not classified<br>pH: 6.5 – 8 |
| Respiratory or skin sensitisation | : Not classified                |
| Germ cell mutagenicity            | : Not classified                |
| Carcinogenicity                   | : Not classified                |
| Reproductive toxicity             | : Not classified                |
| STOT-single exposure              | : Not classified                |
| STOT-repeated exposure            | : Not classified                |
| Aspiration hazard                 | : Not classified                |

| Air Scents aerosol - Fresh linen |         |
|----------------------------------|---------|
| Vaporizer                        | Aerosol |

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |                            |
|---|----------------------------|
| Ecology - general   | : Harmful to aquatic life. |
| Hazardous to the aquatic environment, short-term (acute)  | : Harmful to aquatic life. |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified           |

| Ethanol (64-17-5)                   |           |
|-------------------------------------|-----------|
| LC50 - Fish [1]                     | 11.2 mg/l |
| EC50 - Crustacea [1]                | 5012 mg/l |
| Bioconcentration factor (BCF REACH) | < 10      |

| propane (74-98-6)                               |  |
|---|--|
| LC50 - Fish [1]                                 | 24 mg/l (96 h, Pisces, Literature study)       |
| LC50 - Fish [2]                                 | 49.9 mg/l (96 h, Pisces, Fresh water, QSAR)    |
| EC50 - Crustacea [1]                            | 7 mg/l (48 h, Daphnia magna, Literature study) |
| BCF - Fish [1]                                  | 9 – 25 (Pisces, QSAR)                          |
| Partition coefficient n-octanol/water (Log Pow) | 1.09 – 2.8 (Experimental value, 20 °C)         |

| butane, liquefied, under pressure (106-97-8)    |   |
|---|---|
| LC50 - Fish [1]                                 | > 1000 mg/l (96 h, Pimephales promelas, QSAR) |
| EC50 72h - Algae [1]                            | 5.3 – 5.5 mg/l (Algae, QSAR)                  |
| Partition coefficient n-octanol/water (Log Pow) | 2.89 (Experimental value)                     |

### 12.2. Persistence and degradability

| Air Scents aerosol - Fresh linen |                                     |
|----------------------------------|-------------------------------------|
| Persistence and degradability    | No additional information available |

| Ethanol (64-17-5)            |                                    |
|------------------------------|------------------------------------|
| Chemical oxygen demand (COD) | 2.04 g O <sub>2</sub> /g substance |

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|   |                                 |
|---|---------------------------------|
| <b>propane (74-98-6)</b>                            |                                 |
| Persistence and degradability                       | Readily biodegradable in water. |
| <b>butane, liquefied, under pressure (106-97-8)</b> |                                 |
| Persistence and degradability                       | Readily biodegradable in water. |

### 12.3. Bioaccumulative potential

|   |  |
|---|--|
| <b>Air Scents aerosol - Fresh linen</b>             |  |
| Bioaccumulative potential                           | No additional information available              |
| <b>Ethanol (64-17-5)</b>                            |  |
| Bioconcentration factor (BCF REACH)                 | < 10   |
| <b>propane (74-98-6)</b>                            |  |
| BCF - Fish [1]                                      | 9 – 25 (Pisces, QSAR)                            |
| Partition coefficient n-octanol/water (Log Pow)     | 1.09 – 2.8 (Experimental value, 20 °C)           |
| Bioaccumulative potential                           | Low potential for bioaccumulation (Log Kow < 4). |
| <b>butane, liquefied, under pressure (106-97-8)</b> |  |
| Partition coefficient n-octanol/water (Log Pow)     | 2.89 (Experimental value)                        |
| Bioaccumulative potential                           | Low potential for bioaccumulation (Log Kow < 4). |

### 12.4. Mobility in soil

|   |  |
|---|--|
| <b>Air Scents aerosol - Fresh linen</b>             |  |
| Mobility in soil                                    | No additional information available    |
| <b>Ethanol (64-17-5)</b>                            |  |
| Mobility in soil                                    | 1                                      |
| <b>propane (74-98-6)</b>                            |  |
| Surface tension                                     | 0.016 N/m (-47 °C)                     |
| Partition coefficient n-octanol/water (Log Pow)     | 1.09 – 2.8 (Experimental value, 20 °C) |
| Ecology - soil                                      | Not applicable (gas).                  |
| <b>butane, liquefied, under pressure (106-97-8)</b> |  |
| Surface tension                                     | < 0.1 N/m (0 °C)                       |
| Partition coefficient n-octanol/water (Log Pow)     | 2.89 (Experimental value)              |
| Ecology - soil                                      | Not applicable (gas).                  |

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.




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### SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS  | IMDG  | IATA  |
|---|---|---|
| <b>14.1. UN number</b>  |   |   |
| 1950  | 1950  | 1950  |
| <b>14.2. Proper Shipping Name</b>   |   |   |
| AEROSOLS  | AEROSOLS  | Aerosols, flammable   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |
| 2.1   | 2.1   | 2.1   |
|  |  |  |
| <b>14.4. Packing group</b>  |   |   |
| Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |
| Dangerous for the environment : No  | Dangerous for the environment : No<br>Marine pollutant : No                       | Dangerous for the environment : No  |
| No supplementary information available  |   |   |

### 14.6. Special precautions for user

#### SANS

|   |              |
|---|--------------|
| Special provisions (SANS)   | : 63, 190    |
| Limited quantities (SANS)   | : See SP277  |
| Limited quantities (SANS)   | : See SP277  |
| Packagings, large packagings and IBCs Packing instructions (SANS)         | : P003       |
| Packagings, large packagings and IBCs Special packing instructions (SANS) | : PP17, PP87 |

#### IMDG

|                                   |   |
|-----------------------------------|---|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959  |
| Packing instructions (IMDG)       | : P207, LP200   |
| Special packing provisions (IMDG) | : PP87, L2  |
| EmS-No. (Fire)                    | : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES                             |
| EmS-No. (Spillage)                | : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE) |
| Stowage category (IMDG)           | : None  |

#### IATA

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

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable



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### SECTION 15: Regulatory information

#### 15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

### SECTION 16: Other information

Issue date : 01/06/2022  
Revision date : 03/06/2024

#### Full text of H-statements

|      |   |
|------|---|
| H220 | Extremely flammable gas.                              |
| H225 | Highly flammable liquid and vapour.                   |
| H226 | Flammable liquid and vapour.                          |
| H227 | Combustible liquid                                    |
| H302 | Harmful if swallowed.                                 |
| H303 | May be harmful if swallowed                           |
| H313 | May be harmful in contact with skin                   |
| H315 | Causes skin irritation.                               |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H319 | Causes serious eye irritation.                        |
| H400 | Very toxic to aquatic life.                           |
| H401 | Toxic to aquatic life                                 |
| H402 | Harmful 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.    |

Safety Data Sheet (SDS), South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.