



Air Scents gel scents - Sea breeze

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Issue date:09/06/2020

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Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Air Scents gel scents - Sea breeze
Type of product : Air freshener
Product code : SH1102
Product group : Trade product

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

No additional information available

1.3. Supplier's details

Manufacturer

Shield Chemicals (Pty) Ltd
9 London Rd
Apex
P.O. Box 1939
1501 Benoni - South Africa
T (011) 421 7111
info@shieldchem.co.za

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

Skin corrosion/irritation, Category 2 H315
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411
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) : Warning

Hazardous ingredients : dipentene; 2-tert-butylcyclohexanol acetate; Ethyl 2-methyl-1,3,dioxolane-2-acetate; Allyl heptanoate; a,a-dimethylphenethyl acetate; 2,6-dimethyl-7-octen-2-ol; Terpineol,acetate

Hazard statements (GHS-ZA) : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-ZA) : P261 - Avoid breathing vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice.
P333+P313 - If skin irritation or rash occurs: Get medical advice.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes skin irritation,May cause an allergic skin reaction,Very toxic to aquatic life,Toxic to aquatic life with long lasting effects.

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|--|----------------------|-------------|---|
| dipentene | (CAS-No.) 138-86-3 | 10.0 - 15.0 | Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| 2-tert-butylcyclohexanol acetate | (CAS-No.) 88-41-5 | 10.0 - 20.0 | Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) |
| Ethyl 2-methyl-1,3-dioxolane-2-acetate | (CAS-No.) 6413-10-1 | 5.0 - 10.0 | Flam. Liq. 4, H227 STOT RE Not classified Aquatic Acute Not classified |
| Allyl heptanoate | (CAS-No.) 142-19-8 | 1.0 - 5.0 | Flam. Liq. 4, H227 Acute Tox. 3 (Dermal), H311 Aquatic Acute 1, H400 |
| a,a-dimethylphenethyl acetate | | 1.0 - 5.0 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute Not classified Aquatic Chronic 3, H412 |
| 2,6-dimethyl-7-octen-2-ol | (CAS-No.) 18479-58-8 | 1.0 - 5.0 | Flam. Liq. 4, H227 |
| Terpineol,acetate | | 1.0 - 5.0 | Skin Irrit. 2, H315 Aquatic Chronic 2, H411 |

Full text of H-statements: see section 16

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. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- 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

- Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

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.

5.2. Special hazards arising from the substance or mixture

No additional information available

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. Avoid contact with skin and eyes. Avoid breathing vapours.

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.

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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. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours. |
| Hygiene measures | : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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 | : Store in a well-ventilated place. Keep cool. |
|--------------------|--|

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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 |

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 | : Solid |
| Appearance | : gel. |
| Colour | : Blue. |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : No data available |
| pH solution | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : Not applicable |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| 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 | : Insoluble in water. |
| Log Pow | : No data available |

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| | |
|-----------------------------|---------------------|
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : Not applicable |
| 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

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

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 |

| | |
|---|--|
| dipentene (138-86-3) | |
| LD50 oral rat | 5300 mg/kg (Rat, Literature study, Oral) |
| LD50 dermal rabbit | > 5000 mg/kg (Rabbit, Literature study, Dermal) |
| 2-tert-butylcyclohexanol acetate (88-41-5) | |
| LD50 oral rat | 4600 mg/kg (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 5000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal) |
| Allyl heptanoate (142-19-8) | |
| LD50 dermal rabbit | 810 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 440 - 1180 |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |

| | |
|---|--|
| Ethyl 2-methyl-1,3-dioxolane-2-acetate (6413-10-1) | |
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

| | |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|--|
| Ecology - general | : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. |
|-------------------|--|

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Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

| dipentene (138-86-3) | |
|-------------------------------|--|
| LC50 fish 1 | 0.545 mg/l (ECOSAR, 96 h, QSAR) |
| BCF other aquatic organisms 1 | 917 - 931 (BCFBAF v3.00, QSAR) |
| Log Pow | 4.57 (Experimental value) |
| Log Koc | 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) |

| 2-tert-butylcyclohexanol acetate (88-41-5) | |
|---|---|
| BCF fish 1 | 384.6 l/kg (BCFBAF v3.01, Calculated value, Fresh weight) |
| Log Pow | 4.42 (Estimated value, KOWWIN) |
| Log Koc | 2.644 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

| Ethyl 2-methyl-1,3,dioxolane-2-acetate (6413-10-1) | |
|---|--|
| LC50 fish 1 | > 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 72h algae (1) | > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

| Allyl heptanoate (142-19-8) | |
|------------------------------------|---|
| LC50 fish 1 | 0.117 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| LC50 fish 2 | 0.13 mg/l Test organisms (species): Pimephales promelas |
| EC50 Daphnia 1 | 0.89 mg/l Test organisms (species): Daphnia magna |

| a,a-dimethylphenethyl acetate | |
|--------------------------------------|--------------|
| LC50 fish 1 | ≈ 8.901 mg/l |

| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | |
|---|------------------------|
| Log Pow | 3.47 (Estimated value) |

12.2. Persistence and degradability

| Air Scents gel scents - Sea breeze | |
|---|-------------------------------------|
| Persistence and degradability | No additional information available |

| dipentene (138-86-3) | |
|-------------------------------|---|
| Persistence and degradability | Biodegradable in the soil. Biodegradable in water. Not easily biodegradable in water in anaerobic conditions. |
| ThOD | 3.29 g O ₂ /g substance |

| 2-tert-butylcyclohexanol acetate (88-41-5) | |
|---|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |

| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | |
|---|---|
| Persistence and degradability | Biodegradability in water: no data available. |

12.3. Bioaccumulative potential

| Air Scents gel scents - Sea breeze | |
|---|-------------------------------------|
| Bioaccumulative potential | No additional information available |

| dipentene (138-86-3) | |
|-------------------------------|--|
| BCF other aquatic organisms 1 | See section 12.1 on ecotoxicology |
| Log Pow | See section 12.1 on ecotoxicology |
| Log Koc | See section 12.1 on ecotoxicology |
| Bioaccumulative potential | Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). |

| 2-tert-butylcyclohexanol acetate (88-41-5) | |
|---|--|
| BCF fish 1 | See section 12.1 on ecotoxicology |
| Log Pow | See section 12.1 on ecotoxicology |
| Log Koc | See section 12.1 on ecotoxicology |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | |
|---|--|
| Log Pow | See section 12.1 on ecotoxicology |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| Air Scents gel scents - Sea breeze | |
|---|-------------------------------------|
| Mobility in soil | No additional information available |

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| | |
|-----------------------------|-------------------------------------|
| dipentene (138-86-3) | |
| Surface tension | 0.026 N/m (20 °C) |
| Log Pow | See section 12.1 on ecotoxicology |
| Log Koc | See section 12.1 on ecotoxicology |
| Ecology - soil | Low potential for mobility in soil. |

| | |
|---|---------------------------------------|
| 2-tert-butylcyclohexanol acetate (88-41-5) | |
| Log Pow | See section 12.1 on ecotoxicology |
| Log Koc | See section 12.1 on ecotoxicology |
| Ecology - soil | Low potential for adsorption in soil. |

| | |
|---|---|
| 2,6-dimethyl-7-octen-2-ol (18479-58-8) | |
| Log Pow | See section 12.1 on ecotoxicology |
| Ecology - soil | No (test)data on mobility of the substance available. |

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.

SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

| SANS | IMDG | IATA |
|--|---|---|
| 14.1. UN number | | |
| Not regulated for transport | | |
| 14.2. Proper Shipping Name | | |
| Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | |
| Not applicable | Not applicable | Not applicable |
|  | Not applicable |  Not applicable |
| 14.4. Packing group | | |
| Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | |
| Dangerous for the environment : Yes | Dangerous for the environment : No : | Dangerous for the environment : No |
| No supplementary information available | | |

14.6. Special precautions for user

- SANS

No data available

- IMDG

No data available

- IATA

No data available

14.7. 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 national regulations specific for the product

No additional information available

SECTION 16: Other information

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Full text of H-statements:

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H227 | Combustible liquid |
| H303 | May be harmful if swallowed |
| H311 | Toxic in contact with skin. |
| H313 | May be harmful in contact with skin |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| 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. |

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.