

INNOCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

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Initial®

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

1.1. Product identifier

Trade name : INNOCENT APPLE
Brand : INITIAL
Product code : FC021A (FC021A/S)
Type of product : Fragrances
Registration No : -
Product form : Mixture

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

1.2.1. Relevant identified uses

Use of the substance/mixture : A floral, fruity aerosol fragrance for use by Initial service staff in the Solar Airfresh dispenser.
Industrial/Professional use spec : Industrial
For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Supplier's details

Supplier

Rentokil Initial Supplies
Liverpool
L33 7SR
UK

Product advice line: +44 (0)151 548 5050
Email: sds@rentokil.com

National Contact

Initial Hygiene, Level 1,
89 Carbine Road,
Mt Wellington, Auckland 1060
Private Bag 92905,
Onehunga, Auckland 1643,
New Zealand.

T: +64 (09) 573 7740

1.4. Emergency telephone number

Emergency number : +64 (09) 573 7740

| Country | Organisation/Company | Address | Emergency number |
|-------------|---|----------------------------|----------------------------|
| New Zealand | National Poisons & Hazardous Chemical Information Centre Dunedin School of Medicine, University of Otago | PO Box 913 9054 Dunedin | 0800 POISON (0800 764 766) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazardous Substances and New Organisms Act (HSNO) 1996 & Classification Regulations 2015

2.1.2A Flammable Aerosols, Category 1
9.1D Aquatic Toxicity (Acute), Category 3
9.1C Aquatic Toxicity (Chronic), Category 3

Classification according to the United Nations GHS (Rev. 4, 2011)

Aerosol 1 H222;H229
Aquatic Acute 3 H402
Aquatic Chronic 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

INNOSCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

2.2. Label elements

Hazardous Substances and New Organisms Act (HSNO) 1996 & Classification Regulations 2015

Hazard pictograms (HSNO) :



GHS02

Signal word (HSNO) :

Danger

Hazard statements (HSNO) :

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (HSNO) :

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.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
P273 - Avoid release to the environment.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | HSNO hazard classification | Classification according to the United Nations GHS (Rev. 4, 2011) |
|--|----------------------|---------|--|---|
| Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately- 40°C to 80°C (- 40°F to 176°F).] | (CAS-No.) 68476-85-7 | >= 75 | 2.1.1A | Flam. Gas 1, H220 |
| 2-Tert-butyl-cyclohexyl acetate | (CAS-No.) 88-41-5 | 1 - 4 | 3.1D 6.1E(Oral) 6.3B 9.1B | Flam. Liq. 4, H227 Acute Tox. 5 (Oral), H303 Skin Irrit. 3, H316 Aquatic Chronic 2, H411 |
| 2-Ethylhexyl salicylate | (CAS-No.) 118-60-5 | 0.1 - 2 | - | Not classified |
| Hexyl Acetate | (CAS-No.) 142-92-7 | 0.1 - 2 | 3.1C 6.3B 9.1B | Flam. Liq. 3, H226 Skin Irrit. 3, H316 Aquatic Acute 2, H401 |
| 1,4-Dioxacycloheptadecane-5-17-dione | (CAS-No.) 105-95-3 | 0.1 - 2 | 9.1B | Aquatic Acute 2, H401 |
| Ethyl hexanoate | (CAS-No.) 123-66-0 | 0.1 - 2 | 3.1C 6.3B 9.1B | Flam. Liq. 3, H226 Skin Irrit. 3, H316 Aquatic Acute 2, H401 |
| n-butyl acetate | (CAS-No.) 123-86-4 | 0.1 - 2 | 3.1C 6.9B | Flam. Liq. 3, H226 STOT SE 3, H336 |
| 3-Methylbut-2-en-1-yl acetate | (CAS-No.) 1191-16-8 | 0.1 - 2 | 3.1C 6.1E(Oral) 9.1D | Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Aquatic Acute 3, H402 |
| 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol | (CAS-No.) 63500-71-0 | 0.1 - 2 | 6.4A | Eye Irrit. 2A, H319 |
| Isobutyl Salicylate | (CAS-No.) 87-19-4 | 0.1 - 1 | 6.1D(Oral) 6.3B | Acute Tox. 4 (Oral), H302 Skin Irrit. 3, H316 |
| Butylated Hydroxytoluene | (CAS-No.) 128-37-0 | 0.1 - 1 | 6.3B 9.1A 9.1A | Skin Irrit. 3, H316 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Ethyl 2-methylbutanoate | (CAS-No.) 7452-79-1 | 0.1 - 1 | 3.1C | Flam. Liq. 3, H226 |
| Allyl (3-methylbutoxy)acetate | (CAS-No.) 67634-00-8 | 0.1 - 1 | 3.1D 6.1D(Oral) 6.3A | Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 |
| Allyl cyclohexylpropionate | (CAS-No.) 2705-87-5 | < 1 | 6.1D(Oral) 6.1D(Dermal) 6.1D(Inhalation) 6.5B 9.1A | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1B, H317 Aquatic Chronic 1, H410 |

INNOCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

| Name | Product identifier | % | HSNO hazard classification | Classification according to the United Nations GHS (Rev. 4, 2011) |
|-------------------------------|----------------------|-------|----------------------------|---|
| 3-Phenylbutanal | (CAS-No.) 16251-77-7 | < 1 | 9.1D | Aquatic Acute 3, H402 |
| 2,6-Dimethylhept-5-enal | (CAS-No.) 106-72-9 | < 1 | 3.1D 6.5B 9.1B | Flam. Liq. 4, H227 Skin Sens. 1B, H317 Aquatic Acute 2, H401 |
| Undecan-4-olide | (CAS-No.) 104-67-6 | < 1 | 6.3B 9.1D 9.1C | Skin Irrit. 3, H316 Aquatic Acute 3, H402 Aquatic Chronic 3, H412 |
| 6-Methylhept-5-en-2-one | (CAS-No.) 110-93-0 | < 1 | 3.1C 6.1E(Oral) 9.1D | Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Aquatic Acute 3, H402 |
| Benzyl alcohol | (CAS-No.) 100-51-6 | < 1 | 6.1D(Oral) 6.1E 6.4A | Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Eye Irrit. 2A, H319 |
| 1,3-butadiene; buta-1,3-diene | (CAS-No.) 106-99-0 | < 0.1 | 2.1.1A 6.6A 6.7A | Flam. Gas 1, H220 Muta. 1A, H340 Carc. 1B, H350 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Assure fresh air breathing. Allow the victim to rest. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

| | |
|-----------------------------------|--|
| Symptoms/effects after inhalation | : May cause an allergic skin reaction. |
|-----------------------------------|--|

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|--|
| Fire hazard | : Extremely flammable liquid and vapour. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|---|
| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
|------------------|---|

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

INNOSCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing spray.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep in fireproof place. Keep container tightly closed.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves.
Eye protection : Chemical goggles or safety glasses.
Respiratory protection : Wear appropriate mask.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Colourless.
Odour : characteristic.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : < -60 °C
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

INNOCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

| | |
|----------------------|---------------------|
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Extremely flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Sparks. Heat. Overheating. Open flame.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

2-Tert-butyl-cyclohexyl acetate (88-41-5)

| | |
|--------------------|-----------------------|
| LD50 dermal rabbit | > 5000 mg/kg |
| ATE UN (oral) | 2500 mg/kg bodyweight |

Butylated Hydroxytoluene (128-37-0)

| | |
|---------------|--------------|
| LD50 oral rat | > 2930 mg/kg |
|---------------|--------------|

Allyl cyclohexylpropionate (2705-87-5)

| | |
|--------------------|-----------------------|
| ATE UN (oral) | 500 mg/kg bodyweight |
| ATE UN (dermal) | 1100 mg/kg bodyweight |
| ATE UN (gases) | 4500 ppmv/4h |
| ATE UN (vapours) | 11 mg/l/4h |
| ATE UN (dust,mist) | 1.5 mg/l/4h |

2,6-Dimethylhept-5-enal (106-72-9)

| | |
|--------------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| | |
|---|---|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| 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 |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Butylated Hydroxytoluene (128-37-0)

| | |
|----------------|-------------|
| LC50 fish 1 | > 0.57 mg/l |
| EC50 Daphnia 1 | 0.61 mg/l |

INNOCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

12.2. Persistence and degradability

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| | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

12.3. Bioaccumulative potential

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| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number

UN-No. (ADR) : 1950

UN-No. (IATA) : 1950

UN-No. (IMDG) : 1950

UN-No. (ADN) : 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS

Proper Shipping Name (IATA) : Aerosols, flammable

Proper Shipping Name (IMDG) : AEROSOLS

Proper Shipping Name (ADN) : AEROSOLS

Transport document description (ADR) : UN 1950 AEROSOLS (Mixture of Hydrocarbons), 2.1, (D)

14.3. Transport hazard class(es)

Class (ADR) : 2

Classification code (ADR) : 5F

Class (IATA) : 2

Class (IMDG) : 2

Class (ADN) : 2

Classification code (ADN) : 5F

Danger labels (ADR) : 2.1,



Division (IATA) : 2.1

Hazard labels (IATA) : 2.1,



INNOSCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

Danger labels (IMDG) : 2.1,



Danger labels (ADN) : 2.1,



14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D
Limited quantities (ADR) : 1l
Excepted quantities (ADR) : E0

14.6.2. Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP02
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None

14.6.3. Air transport

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

14.6.4. Inland waterway transport

Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1
Carriage prohibited (ADN) : No

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

Not applicable

INNOSCENT APPLE

Safety Data Sheet

according to New Zealand HSNOCOP 8-1 2006 and the United Nations GHS (Rev. 4, 2011)

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Allergenic fragrances > 0,01%:

BENZYL ALCOHOL

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : This SDS has been prepared with reference to HSNO Approved Code of Practice for the Preparation of Safety Data Sheets HSNOCOP 8-1 09 06.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-statements:

| | |
|------|---|
| H220 | Extremely flammable gas. |
| H226 | Flammable liquid and vapour. |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed. |
| H303 | May be harmful if swallowed |
| H312 | Harmful in contact with skin. |
| H316 | Causes mild skin irritation |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| 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 GHS UN

Before using any product, ensure that you read and understand its label.

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Neither Rentokil Initial plc nor any of its subsidiaries accepts any liability for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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