

# Safety Data Sheet

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**REVISION (see box 16)**

Issue : 04 18 : 08 : 2006

| 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY |  |
|---|--|
| <b>Product Name</b>                                       | <b>AIRFRESH II CARTRIDGE VERDIE A</b>  |
| <b>Description</b>  | A fragrance for use in Airfresh units by Rentokil Initial service staff. It is a clear colourless liquid with a distinctive odour.   |
| <b>Company</b>  | Rentokil Initial Supplies, Webber Road, Knowsley Industrial Park, Liverpool, L33 7SR. For general enquiries telephone: +44 (0) 151 548 5050. For safety or regulatory enquiries telephone: + 44 (0) 1342 833022. |

| 2 HAZARD IDENTIFICATION   |
|---|
| <b>Classification (Supply – Use) : In compliance with EC Directive 1999/45.</b>   |
| R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  |
| <b>Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):</b>  |
| May cause irritation to eyes and skin especially on prolonged contact. If swallowed may cause irritation to the digestive system. Excessive inhalation of vapours may cause irritation of the respiratory system. |
| No other significant adverse effects expected under normal conditions of handling and use.  |

| 3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16) |  |                                    |  |
|--|--|------------------------------------|--|
| % w/w  | Common*/Chemical Name, Elincs/Einecs & CAS No. of Ingredients                | EC 1999/45 Classification          |  |
| >2.5 ≤10.0   | 2-Phenyl ethanol<br>EINECS : 200-456-2<br>CAS : 60-12-8                      | X <sub>i</sub> : R36               |  |
| >2.5 ≤10.0   | 5-Heptyl dihydro-2(3H)-furanone<br>EINECS : 203-225-4<br>CAS : 104-67-6      | N : R51,53                         |  |
| > 1.0 ≤2.5   | 3-Methyl-5-phenyl pentanol<br>EINECS : 259-461-3<br>CAS : 55066-48-3         | X <sub>i</sub> : R41               |  |
| ≤1.0   | 3,7-Dimethyloctan-1-ol<br>EINECS : 203-374-5<br>CAS : 106-21-8               | X <sub>i</sub> : R38<br>N : R51,53 |  |
| ≤1.0   | 10-Undecenal<br>EINECS : Not applicable<br>CAS : 112-45-8                    | N : R51,53                         |  |
| ≤1.0   | Methyl benzoate<br>EINECS : 202-259-7<br>CAS : 93-58-8                       | X <sub>n</sub> : R22               |  |
| ≤1.0   | Nerolin bromelia<br>EINECS : 202-226-7<br>CAS : 93-18-5                      | N : R51,53                         |  |
| ≤1.0   | (e)-1-Methoxy-4-(1-propenyl)benzene<br>EINECS : 224-052-0<br>CAS : 4180-23-8 | N : R51,53                         |  |

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| <b>4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)</b> |  |
|---|--|
| <b>Inhalation</b>   | In the event of excessive inhalation of vapours remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.   |
| <b>Eye Contact</b>  | Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical attention. |
| <b>Skin Contact</b>   | Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.   |
| <b>Ingestion (Swallowing)</b>                                     | Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if necessary. If conscious give patient up to ½ litre or 1 pint of water to drink. Seek medical attention.             |
| <b>Emergency Equipment Suggested</b>                              | Appropriate first-aid equipment should be provided. For the UK this should be in accordance with the Health & Safety (First-Aid) Regulations 1981. See also the Approved Code of Practice “First-aid at Work”.             |
| <b>Note To Doctor</b>   | Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK.  |

| <b>5 FIRE FIGHTING MEASURES</b>         |   |
|---|---|
| <b>Fire Extinguisher Type</b>           | Use carbon dioxide, foam or dry powder extinguishers. Do NOT use a water jet. |
| <b>Special Fire-Fighting Procedures</b> | Wear suitable personal protective equipment.                                  |
| <b>Special Exposure Hazards</b>         | Carbon monoxide, carbon dioxide and smoke may be formed during combustion.    |

| <b>6 ACCIDENTAL RELEASE MEASURES</b>         |   |
|--|---|
| <b>Personal Precautions (See also box 8)</b> | Wear suitable personal protective equipment.  |
| <b>Environmental Precautions</b>             | This product is classified as dangerous for the environment. Keep away from drains, surface and ground water, and soil.   |
| <b>Clean-up Procedure (See also box 13)</b>  | Absorb spill with an inert material such as sand, earth or sawdust. Transfer to a suitable container for subsequent disposal. Because of the danger of spontaneous combustion, any combustible material such as cloth, used for cleaning spillage, should be saturated with water and disposed of promptly. |

| <b>7 HANDLING AND STORAGE (SEE ALSO BOX 8)</b> |  |
|--|--|
| <b>Handling</b>                                | No specific handling requirements.   |
| <b>Storage</b>                                 | Store in original container in a cool, dry, ventilated place out of the reach of children and away from food, drink and animal feeding stuffs. |

| <b>8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>                                 |   |
|--|---|
| <b>Exposure Standard - Directive EC/98/24 (1<sup>st</sup> IOELV Directive)</b> | Not assigned.   |
| <b>Engineering Controls</b>  | Where exposure may occur, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be required: |
| <b>Eye Protection</b>  | Not indicated by product classification.  |
| <b>Hand Protection</b>   | Not indicated by product classification.  |
| <b>Skin Protection</b>   | Wear suitable gloves.   |
| <b>Breathing Protection</b>  | Not indicated by product classification.  |
| <b>Environmental Exposure Controls</b>   | Use only in accordance with instructions given. Any spillage should be dealt with immediately in order that contamination of watercourses or ground is avoided.   |

| <b>9 PHYSICAL AND CHEMICAL PROPERTIES</b> |   |                                     |                 |
|---|---|-------------------------------------|-----------------|
| <b>Appearance and Odour</b>               | A clear colourless liquid with a distinctive odour. |                                     |                 |
| <b>pH</b>                                 | Not determined.                                     | <b>Solubility in Water</b>          | Not determined. |
| <b>Specific Gravity</b>                   | 1.0 at 20°C   | <b>Solubility in Other Solvents</b> | Not determined. |
| <b>Flash Point</b>                        | 85°C (closed cup)                                   | <b>Explosive Properties</b>         | Not determined. |
| <b>Flammability</b>                       | Non-flammable.                                      | <b>Combustibility</b>               | Combustible.    |
| <b>Boiling Point/Range</b>                | Not determined.                                     | <b>Oxidising Properties</b>         | Not determined. |
| <b>Vapour Density</b>                     | Not determined.                                     | <b>Evaporation Rate</b>             | Not determined. |
| <b>Vapour Pressure</b>                    | Not determined.                                     | <b>Partition Coefficient</b>        | Not applicable. |
| <b>Viscosity</b>                          | Not determined.                                     | <b>Other Data</b>                   | None known.     |

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## 10 STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| <b>Conditions to avoid</b>          | Avoid extremes of temperature, e.g. below 0°C and above 40°C.              |
| <b>Materials to avoid</b>           | Avoid contact with strong oxidising materials.                             |
| <b>Hazardous Breakdown Products</b> | Carbon monoxide, carbon dioxide and smoke may be formed during combustion. |

## 11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

|                               |                       |   |
|-------------------------------|-----------------------|---|
| <b>Acute Toxicity</b>         | Oral                  | If swallowed may cause irritation to the digestive system.  |
|                               | Inhalation            | Not determined.   |
|                               | Dermal                | Not determined.   |
| <b>Corrosivity/Irritation</b> | Skin                  | May cause irritation on contact with skin.  |
|                               | Eyes                  | May cause irritation on contact with eyes.  |
|                               | Respiratory tract     | May cause irritation to the respiratory tract upon excessive inhalation of vapours.                   |
| <b>Sensitisation</b>          | Skin                  | Contains no known skin sensitisers.   |
|                               | Respiratory           | Contains no known respiratory sensitisers.  |
| <b>Repeat-Dose Toxicity</b>   |                       | Product does not contain any components known to have any effects relating to repeated-dose toxicity. |
| <b>Mutagenicity</b>           |                       | Product does not contain any components known to have a mutagenic effect.                             |
| <b>Carcinogenicity</b>        |                       | Product does not contain any components known to have a carcinogenic effect.                          |
| <b>Reproductive Toxicity</b>  | Fertility Development | Product does not contain any components known to have effects on fertility.                           |
| <b>Other Information</b>      |                       | Product does not contain any components known to be toxic to the reproductive system.                 |
|                               |                       | None known.   |

## 12 ECOLOGICAL INFORMATION

|                                      |   |
|--------------------------------------|---|
| <b>General Information</b>           | This product is classified as harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. However, when used in accordance with instructions given, controlled release of this product is not expected to cause environmental contamination. |
| <b>Ecotoxicity Data</b>              | Not determined.   |
| <b>Mobility</b>                      | Not determined.   |
| <b>Persistence and Degradability</b> | Not determined.   |
| <b>Bioaccumulative Potential</b>     | Not determined.   |
| <b>Other Adverse Effects</b>         | None known.   |

## 13 DISPOSAL CONSIDERATIONS

| <b>Disposal of Waste / Containers</b>   | Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial.  |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
|---|--|---------------------------------------|--------------------|--------------------------------------|------|--------------|------|------------------------|------|---------------------------------|------------|------------------|------|
| <b>Classification</b>   | Hazard Code H14 - Ecotoxic   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC)) | <table><thead><tr><th>Components making the waste hazardous</th><th>Concentrations (%)</th></tr></thead><tbody><tr><td>(e)-1-methoxy-4-(1-propenyl) benzene</td><td>≤1.0</td></tr><tr><td>10-Undecenal</td><td>≤1.0</td></tr><tr><td>3,7-Dimethyloctan-1-ol</td><td>≤1.0</td></tr><tr><td>5-Heptyl dihydro-2(3H)-furanone</td><td>&gt;2.5 ≤10.0</td></tr><tr><td>Nerolin bromelia</td><td>≤1.0</td></tr></tbody></table> | Components making the waste hazardous | Concentrations (%) | (e)-1-methoxy-4-(1-propenyl) benzene | ≤1.0 | 10-Undecenal | ≤1.0 | 3,7-Dimethyloctan-1-ol | ≤1.0 | 5-Heptyl dihydro-2(3H)-furanone | >2.5 ≤10.0 | Nerolin bromelia | ≤1.0 |
| Components making the waste hazardous   | Concentrations (%)   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| (e)-1-methoxy-4-(1-propenyl) benzene  | ≤1.0   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| 10-Undecenal  | ≤1.0   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| 3,7-Dimethyloctan-1-ol  | ≤1.0   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| 5-Heptyl dihydro-2(3H)-furanone   | >2.5 ≤10.0   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| Nerolin bromelia  | ≤1.0   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |
| <b>Note for Disposal</b>  | For further advice about disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish Environment Protection Agency.<br>Local rate from anywhere in the UK: +44 (0) 870 850 6506.   |                                       |                    |                                      |      |              |      |                        |      |                                 |            |                  |      |

**14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)**

|                                      |  |                               |               |                                    |
|--------------------------------------|--|-------------------------------|---------------|------------------------------------|
| <b>UN No.</b>                        | Not classified.  | <b>Tremcard Reference No.</b> | Not required. | <b>RIS Code</b>                    |
| <b>Transport Category</b>            | Not required.  | <b>UK Hazchem EAC</b>         | Not required. | CS60080<br>CS60095                 |
| <b>ADR 2005 (International Road)</b> | <b>Class</b> Not required.   | <b>ADR HIN</b>                | Not required. | <b>Labels</b><br><br>Not required. |
| <b>Proper Shipping Name</b>          | Not required.  |                               |               |                                    |
| <b>Limited Quantity Exemptions</b>   | Not required.  |                               |               |                                    |
| <b>Special Requirements</b>          | Not required.  | <b>Packing Group</b>          | Not required. |                                    |
| <b>IMDG 2004 (Sea)</b>               | <b>Class</b> Not required.   | <b>IMDG EMS</b>               | Not required. | Not required.                      |
| <b>Proper Shipping Name</b>          | Not required.  |                               |               |                                    |
| <b>Limited Quantity Exemptions</b>   | Not required.  |                               |               |                                    |
| <b>Special Requirements</b>          | Not required.  | <b>Packing Group</b>          | Not required. |                                    |
| <b>Note for Transport</b>            | Local, State or National requirements may apply to the carriage of this product. |                               |               |                                    |

**15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))**

|                                 |   |
|---------------------------------|---|
| <b>Safety Phrases</b>           | S37      Wear suitable gloves.<br>S61      Avoid release to environment. Refer to special instructions/ safety data sheet.  |
| <b>Additional Label Phrases</b> | Not required.   |
| <b>Legislation</b>              | <p>Labelling is in accordance with UK regulations implementing the EC Directive 1999/45.</p> <p>Additional labelling requirements may be necessary in accordance with other National legislation. Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times.</p> <p>The information given on this Safety Data Sheet (SDS) <b>does not</b> constitute an assessment in accordance with Control of Substances Hazardous to Health (COSHH) Regulations 2002, in the UK. Other National measures or guidance should be followed where appropriate.</p> |

**16 Other Information and indication of revisions**

|   |  |
|---|--|
| <b>Packaging Information</b>  | 30 x 50 mL plastic containers with foil seal.  |
| <b>Revisions</b>  | Changes have been made to the content of boxes 01, 02, 03, 04, 06, 07, 08, 09, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 03.  |
| <b>Risk phrase text</b><br>(From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases) | R22      : Harmful if swallowed.<br>R36      : Irritating to eyes.<br>R38      : Irritating to skin.<br>R41      : Risk of serious damage to eyes.<br>R51,53   : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

**AIRFRESH II CARTRIDGE VERDIE A**

SDS No. 827

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**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. Rentokil Initial UK Ltd is not liable 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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