

Safety Data Sheet

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REVISION (see box 16)

Issue : 6

08 : 09 : 2011

| 1 Identification of the Substance/Mixture and Company | |
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| Product identifier | Airfresh II Cartridge - Fresh Citrus - |
| Relevant identified uses of the mixture and uses advised against | A liquid perfume with a strong characteristic citrus odour. |
| Details of the supplier of the safety data sheet | Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 Email: sds@rentokil.com |
| National contact | Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 Email: sds@rentokil.com |
| Emergency telephone number | 0844 892 011 (for use by medical professionals only). |

| 2 Hazards Identification | |
|---|---|
| Classification according to Regulation (EC) No 1272/2008 | |
| Not applicable. See section 16. | |
| Classification according to Directive 1999/45/EC (See section 16) | |
| Dangerous for the environment. | R52/53 |
| Label elements | |
| Risk phrase(s) (R), in full. | R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Safety phrase(s) (S), in full. | S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin, wash immediately with plenty of soap and water. S35: This material and its container must be disposed of in a safe way. |
| Other hazards | |
| None expected under normal conditions of handling and use. | |

| 3 Composition/Information on Ingredients (See section 16) | | | | | | | |
|---|--------------------------------|---------|--------|-----------|------------------------|-------------------------------------|---|
| % w/w | Common*/ Chemical Name (IUPAC) | CAS No. | EC No. | Index No. | REACH Registration No. | Directive 67/548/EEC classification | Regulation (EC) No 1272/2008 classification |
| | | | | | | | |

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|-------------|---|------------|-----------|---|---|-------------------|---|
| >10.0 ≤25.0 | 3,7-Dimethyl-6-octenonitrile | 51566-62-2 | 257-288-8 | - | - | R52/53 | Not available. |
| >1.0 ≤5.0 | 2-(4-methylcyclohex-3-en-1-yl)propan-2-ol | 8000-41-7 | 232-268-1 | - | - | Xi: R38 | Not available. |
| >1.0 ≤5.0 | 2-methylundecanal | 110-41-8 | 203-765-0 | - | - | Xi: R38 R52/53 | Not available. |
| >1.0 ≤5.0 | 2,6-Dimethyl-7-octen-2-ol | 18479-58-8 | 242-362-4 | - | - | Xi: R38 | Not available. |
| >1.0 ≤5.0 | 3,7-Dimethyl-2,6-octadien-1-ol | 106-22-2 | 203-378-7 | - | - | Xi: R38 | Not available. |
| >1.0 ≤5.0 | 3-methyl-5-phenyl-1-pentanol | 55-66-48-3 | 259-461-3 | - | - | Xi: R41 | Eye Dam. 1 : H318 |
| >1.0 ≤2.5 | 2,6-Bis(1,1-dimethylethyl)-4-methylphenol | 128-37-0 | 204-881-4 | - | - | N: R50/53 | Aquatic Acute 1 : H400 Aquatic Chronic 1 : H410 |
| ≤1.0 | 3,7-Dimethyl-6-octen-1-yl acetate | 150-84-5 | 205-775-0 | - | - | Xi: R38 N: R51/53 | Not available. |

4 First-Aid Measures

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| Inhalation | Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention. |
| Eye Contact | 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. |
| Skin Contact | Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice. |
| Ingestion (Swallowing) | 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. |
| Emergency Equipment Suggested | Appropriate first-aid equipment should be provided. |
| Note To Doctor | - |
| Antidote | - |

5 Fire Fighting Measures

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| Suitable extinguishing media | This product is not flammable. Choose extinguishing media suitable for the surroundings. |
| Unsuitable extinguishing media | Do NOT use a water jet. |
| Special hazards arising from the mixture | Combustion or thermal decomposition may evolve toxic or irritant vapours. |
| Advice for fire fighters | Wear suitable personal protective equipment conforming to EN469. |

6 Accidental Release Measures

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| Personal precautions, protective equipment and emergency procedures | Wear suitable personal protective equipment. |
| Environmental precautions | Keep away from drains, surface and ground water, and soil. |
| Methods and material for containment and cleaning up | Absorb spill with an inert material such as sand, earth or sawdust. Transfer to a suitable container for subsequent disposal. |
| Reference to other sections | Please also see sections 8 and 13 for further information. |

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| Additional information | Clear spills immediately. |
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7 Handling and Storage

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| Precautions for safe handling | Wash hands thoroughly with soap and water after handling. Avoid contact with skin and eyes. |
| Conditions for safe storage, including any incompatibilities | Keep away from oxidising agents. 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. |
| Specific end use(s) | Environmental fragrance |

8 Exposure Controls/Personal Protection

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| Exposure standard - Directive 98/24/EC (1st IOELV Directive) | Workplace Exposure Limit (WEL) long-term exposure (8 hour Time Weighted Average) | For: 2,6-Bis(1,1-dimethylethyl)-4-methylphenol is 10mg/m ³ |
| | Workplace Exposure Limit (WEL) short-term exposure (15 minute reference period) | Not applicable. |
| | Substance name used in Directive EC/98/24 (1st IOELV Directive) | Not applicable. |
| Appropriate engineering controls | None necessary. | |
| Eye/face protection | Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements. | |
| Hand protection | Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements. | |
| Skin/body protection | Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements. | |
| Respiratory protection | Avoid excessive inhalation of concentrated vapours. | |
| Environmental Exposure Controls | Use only in accordance with instructions given. | |

9 Physical and Chemical Properties

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| Appearance, odour and physical state | A liquid perfume with a strong characteristic citrus odour. | | |
| pH | Not determined. | Solubility in water | Virtually insoluble. |
| Density | 951.97 kg/m ³ at 20°C | Solubility in other solvents | Not determined. |
| Specific gravity | Not determined. | Explosive properties | No known explosive properties. |
| Flash point | 87°C | Combustibility | Not determined. |
| Flammability | Not determined. | Oxidising properties | No known oxidising properties. |
| Boiling Point / Range | Not determined. | Evaporation rate | Not determined. |
| Vapour Density | Not determined. | Partition coefficient | Not determined. |
| Vapour pressure | 0.0783 hPa at 20°C (calculated 99.9%) | Decomposition temperature | Not determined. |
| Melting point / Freezing point | Not determined. | Auto-ignition temperature | Product is not self-igniting. |
| Upper/lower flammability or explosive limits | Not determined. | Other safety information | None known. |

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| Viscosity | Not determined. | | |
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10 Stability and Reactivity

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| Reactivity | This product is stable under normal conditions of handling and use. |
| Chemical stability | This product is stable under normal conditions of handling and use. |
| Possibility of hazardous reactions | None expected under normal conditions of handling and use. |
| Conditions to avoid | Avoid extremes of temperature, e.g. below 0°C and above 40°C. |
| Incompatible materials | Avoid contact with oxidising agents. |
| Hazardous decomposition products | Combustion or thermal decomposition may evolve toxic or irritant vapours. |

11 Toxicological Information (see also box 2)

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| Acute Toxicity | Oral | Unlikely to cause harmful effects if ingested. |
| | Inhalation | Unlikely to cause harmful effects if inhaled. |
| | Dermal | Unlikely to cause harmful effects if in contact with skin. |
| Corrosivity/ Irritation | Skin | May be irritating to skin, especially on prolonged contact |
| | Eyes | May be irritating to eyes, especially on prolonged contact |
| | Respiratory tract | May be irritating to respiratory tract, especially on prolonged contact |
| Sensitisation | Skin | Contains no known skin sensitisers. |
| | Respiratory | Contains no known respiratory sensitisers. |
| Repeat-Dose Toxicity | Product does not contain any components known to have any effects relating to repeated-dose toxicity. | |
| Mutagenicity | Product does not contain any components known to have a mutagenic effect. | |
| Carcinogenicity | Product does not contain any components known to have a carcinogenic effect. | |
| Reproductive Toxicity | Fertility | Product does not contain any components known to have effects on fertility. |
| | Developmental | Product does not contain any components known to be toxic to the reproductive system. |
| Other data | None known. | |

12 Ecological Information

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| General information | Controlled release of this product is not expected to cause environmental contamination. Use only in accordance with instructions given. |
| Ecotoxicity data | Not determined. |
| Persistence and degradability | Not determined. |
| Bioaccumulative potential | This product is not expected to bioaccumulate. |
| Mobility | Not determined. |
| Results of PBT and vPvB Assessment | Does not meet requirements for assessment. |
| Other Adverse Effects | Do not discharge to sewers, drains or watercourses. |

13 Disposal Considerations

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| Waste treatment methods | The best means of disposal of any product is through proper use according to the label. Disposal must be in accordance with Local, State or National Requirements. | | |
| Product/packaging disposal | If plastic or metal container is triple rinsed can be disposed of as non-hazardous controlled waste. | | |
| Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC)) | Hazard Code: H14 - Ecotoxic. H4 - Irritant. | | |
| | Substances making the waste hazardous: | | Concentrations (%): |
| | 3,7-Dimethyl-6-octenonitrile | | >10.0 ≤25.0 |
| | 2-(4-Methylcyclohex-3-en-1-yl)propan-2-ol | | >1.0 ≤5.0 |
| | 2-methylundecanal | | >1.0 ≤5.0 |
| | 2,6-Dimethyl-7-octen-2-ol | | >1.0 ≤5.0 |
| | 3,7-Dimethyl-2,6-octadien-1-ol | | >1.0 ≤5.0 |
| | 3-methyl-5-phenyl-1-pentanol | | >1.0 ≤5.0 |
| | 2,6-Bis(1,1-dimethylethyl)-4-methylphenol | | >1.0 ≤2.5 |
| 3,7-Dimethyl-6-octen-1-yl acetate | | ≤1.0 | |
| Note for Disposal | - | | |

14 Transport Information (International unless otherwise indicated)

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|--------------------------------------|--|-----------------------|-----------------|----------------------------------|-----------------|
| UN No. | - | | | RIS Code | |
| Transport Category | Not applicable. | UK Hazchem EAC | Not applicable. | 50ml CS60081 | |
| ADR 2011 (International Road) | Class | Not applicable. | ADR HIN | Not applicable. | |
| Proper Shipping Name | Not applicable. | | | Labels Not applicable. | |
| Limited Quantity Exemptions | Not applicable. | | | | |
| Special provisions | Not applicable. | Packing Group | Not applicable. | | |
| IMDG 2010 (Sea) | Class | Not applicable. | IMDG EMS | | Not applicable. |
| Proper Shipping Name | Not applicable. | | | | |
| Limited Quantity Exemptions | Not applicable. | | | | |
| Special provisions | Not applicable. | Packing Group | Not applicable. | | |
| Note for Transport | Local, State or National requirements may apply to the carriage of this product. | | | | |

15 Regulatory Information

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| Authorisations and/or restrictions on use | - |
| Other EU regulations | This safety data sheet was prepared in accordance with EC Directive 1907/2006. Labelling is in accordance with EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with other National legislation. The registration of this product may be necessary before use and any additional local requirements must be observed at all times. Other National measures or guidance should be followed where appropriate. |
| Chemical safety assessment | - |

16 Other Information

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| Revisions | Changes have been made to the content of boxes compared with issue 5. |
| Abbreviations and acronyms | <p>Typical standard abbreviations and acronyms used in Rentokil Initial Safety Data Sheets are as follows:</p> <p>ADR 2011 - International Carriage of Dangerous Goods by Road (ADR) ADR HIN - ADR Hazard Identification Number (HIN) Annex I DNEL or PNEC - Derived No Effect Level / Predicted No Effect Concentration CAS No - Chemicals Abstract Service Registry Number COSHH assessments - Control of Substances Hazardous to Health ECHA - European Chemicals Agency EC No - European Commission number EN469 - European standard for Personal Protective Equipment used for fire fighting EN standards for PPE - European Standards for Personal Protective Equipment EWC - European Waste Catalogue Code IMDG 2010 - International Maritime Dangerous Goods (IMDG) Code IUPAC - International Union of Pure and Applied Chemistry LD₅₀ - Median lethal dose LC₅₀ - Lethal concentration REACH - Registration, Evaluation, Authorisation and restriction of Chemicals RIS Code - Internal manufacturing code number WEL - Workplace Exposure Limit UK Hazchem EAC - UK Hazchem Emergency Action Code</p> <p>Typical Directives and Regulations referred to Rentokil Initial Safety Data Sheets are as follows:</p> <p>Commission Decision 95/320/EC - Scientific Committee for Occupational Exposure Limits to Chemical Agents Commission Decision 2000/532/EC - List of wastes Commission Decision 2001/118/EC - Amendment to 2000/532/EC with regards to List of wastes Directive 67/548/EEC - Dangerous Substances Directive Directive 76/768/EC (as amended) - The Cosmetics Directive Directive 89/686/EEC - The Personal Protective Equipment (PPE) Directive Directive 91/689/EC - Directive on Hazardous waste Directive 98/24/EC (1st IOELV Directive) - Chemical Agents Directive 98/24/EC Protection of the Health and Safety of Workers from the Risks from Chemical Agents IOELV Directive: Indicative Occupational Exposure Limit Values Directive 1907/2006 - REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) Directive 1999/45/EC - Dangerous Preparations Directive Directive 2004/37/EC - Carcinogens and Mutagens Directive Regulation (EC) No. 648/2004 - Detergents Regulation Regulation (EC) No 1272/2008 - Classification, Labelling and Packaging</p> |

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| Key literature references and sources for data | For details of the data and information sources used, please contact Rentokil Initial using the details in Section 1. |
| Classification and used classification procedure for mixtures labelled to Directive 1999/45/EC according to Regulation (EC) No 1272/2008 | Not currently classified to Regulation (EC) No. 1272/2008 until 31/05/2015. |
| Risk phrase/Hazard statement text (From section 3 - These refer to the ingredients only. See section 2 for the product risk phrases) | R36/38: Irritating to eyes and skin. R38: Irritating to skin. R41: Risk of serious damage to eyes. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Hazard phrases are a requirement of Regulation (EC) No 1272/2008, and will be listed when available. |
| Training advice | Always read the label and product information before use. Ensure you have received adequate training and or instructions before use. |
| Further Information | - |

AIRFRESH II CARTRIDGE - FRESH CITRUS

SDS No. 1110 - EN - GB

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

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