

Safety Data Sheet

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REVISION (see box 16)

Issue : 02 18 : 08 : 2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	AIRFRESH II CARTRIDGE BLUES A
Description	A fragrance for use in Airfresh units by Rentokil Initial service staff. It is a clear colourless liquid with a "woody" odour.
Company	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	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
N Dangerous for the environment.	R51,53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):	
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
> 1.0 ≤2.5	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl) ethan-1-one EINECS : 244-240-6 CAS : 21145-77-7	X _n : R22, N : R50,53
>2.5 ≤10.0	2,6-Dimethylheptan-1-ol EINECS : 236-244-1 CAS : 13254-34-7	X _i : R36/38
> 1.0 ≤2.5	4-Allylanisole EINECS : 283-900-8 CAS : 140-67-0	X _n : R22
>2.5 ≤10.0	Amyl salicylate EINECS : 218-080-0 CAS : 2050-08-0	N : R51,53
> 1.0 ≤2.5	Phenethyl alcohol EINECS : 200-456-2 CAS : 60-12-8	X _i : R36
> 1.0 ≤2.5	Phenylisohexanol EINECS : 259-461-3 CAS : 55066-48-3	X _i : R41
>2.5 ≤10.0	Pin-2 (3) –ene EINECS : 201-291-9 CAS : 80-56-8	X _n : R65 N : R50,53 R10
> 1.0 ≤2.5	Undecan-10-enal EINECS : 203-973-1 CAS : 112-45-8	N : R51,53

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4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)	
Inhalation	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.
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. 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”.
Note To Doctor	Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK.

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

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment. Avoid excessive inhalation of vapours and contact with skin and eyes. Self contained breathing apparatus is recommended in the case of a major spill.
Environmental Precautions	This product is classified as dangerous for the environment. Keep away from drains, surface and ground water, and soil.
Clean-up Procedure (See also box 13)	Gross spillage should be contained immediately. Absorb spill with an inert material such as sand, earth or sawdust. Transfer to a suitable container for subsequent disposal.

7 HANDLING AND STORAGE (SEE ALSO BOX 8)	
Handling	Do not drink, eat or smoke while handling.
Storage	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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure Standard - Directive EC/98/24 (1st IOELV Directive)	Not assigned.
Engineering Controls	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:
Eye Protection	Not indicated by product classification.
Hand Protection	Wear suitable gloves.
Skin Protection	Not indicated by product classification.
Breathing Protection	Not indicated by product classification.
Environmental Exposure Controls	Use only in accordance with instructions given. Any spillage should be dealt with immediately in order that contamination of watercourses or ground is avoided.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A clear colourless liquid with a “woody” fragrance.		
pH	Not determined.	Solubility in Water	Not determined.
Density	Not determined.	Solubility in Other Solvents	Not determined.
Flash Point	67°C (closed cup)	Explosive Properties	Not determined.
Flammability	Non-flammable.	Combustibility	Combustible.
Boiling Point/Range	Not determined.	Oxidising Properties	Not determined.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not determined.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

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10 STABILITY AND REACTIVITY

Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
Materials to avoid	Avoid contact with strong acids, alkali or oxidising agents.
Hazardous Breakdown Products	Carbon monoxide and unidentified organic compounds may be formed during combustion.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

Acute Toxicity	Oral	If swallowed may cause irritation to the digestive system.
	Inhalation	Not determined.
	Dermal	Not determined.
Corrosivity/Irritation	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.
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 Development	Product does not contain any components known to have effects on fertility.
Other Information		Product does not contain any components known to be toxic to the reproductive system.
		None known.

12 ECOLOGICAL INFORMATION

General Information	This product is classified as toxic 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.
Ecotoxicity Data	Not determined.
Mobility	Not determined.
Persistence and Degradability	This product is unlikely to accumulate in the environment and environmental problems under normal use conditions are not expected.
Bioaccumulative Potential	This product is unlikely to accumulate in the environment and environmental problems under normal use conditions are not expected.
Other Adverse Effects	None known.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers	Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial.
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code</u> H14 - Ecotoxic <u>Components making the waste hazardous</u> 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl) ethan-1-one Pin-2 (3) -ene Amyl salicylate Undecan-10-enal
Note for Disposal	<u>Concentrations (%)</u> > 1.0 ≤2.5 >2.5 ≤10.0 >2.5 ≤10.0 1.0 ≤2.5 For further advice about disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish Environment Protection Agency. Local rate from anywhere in the UK: +44 (0) 870 850 6506.

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)

UN No.	UN3082	Tremcard Reference No.	CEFIC TEC (R)- 90GM6-III	RIS Code
Transport Category	3	UK Hazchem EAC	2X	CS60055 CS60094
ADR 2005 (International Road)	Class 9	ADR HIN	90	Labels
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Pin-2 (3)-ene and 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl) ethan-1-one.)			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 kg. Maximum quantity per outer package is 30kg. Combination packs only.			
Special Requirements	Not required. Packing Group III			
IMDG 2004 (Sea)	Class 9	IMDG EMS	F-A, S-F.	
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Pin-2 (3)-ene and 1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl) ethan-1-one.)			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 kg. Maximum quantity per outer package is 30kg. Combination packs only.			
Special Requirements	Not required. Packing Group III			
Note for Transport	Local, State or National requirements may apply to the carriage of this product.			

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

Safety Phrases	S37 : Wear suitable gloves. S61 Avoid release to environment. Refer to special instructions/ safety data sheet.
Additional Label Phrases	Not required.
Legislation	Labelling is in accordance with UK regulations implementing the EC Directive 1999/45. 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. The information given on this Safety Data Sheet (SDS) does not 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.

16 Other Information and indication of revisions

Packaging Information	30 x 50 mL plastic containers with foil seal.
Revisions	Changes have been made to the content of boxes 01, 02, 03, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R10 : Flammable. R22 : Harmful if swallowed. R36 : Irritating to eyes. R36/38 : Irritating to eyes, 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. R65 : Harmful: May cause lung damage if swallowed.

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

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