



Safety Data Sheet

DATE : 01 : 04 : 2003

ISSUE NO : 01

NOTE: Access to a copy of this Safety Data Sheet (SDS) via our Website does not constitute the issue of a Controlled Copy under EU legislation. To be issued with such a Copy please contact Rentokil Initial at the address below by telephone, fax or in writing. In order to confirm the latest version of the SDS for this product see web: www.ri-research.com and click on Technical Information / Product Safety.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME	: AIRFRESH II CARTRIDGE VERDIE A
DESCRIPTION	: A clear colourless to pale yellow, liquid perfume for use in the Initial Airfresh Units.
COMPANY	: Rentokil Initial Supplies, Rentokil Initial UK Ltd, Felcourt, East Grinstead, West Sussex. RH19 2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229.

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF PRODUCT (SUPPLY - Use)	UK CHIP 3 (The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002) / EC Directive 1999/45.	DANGER SYMBOL (UK CHIP 3) :
Dangerous for the environment:	R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.	NOT REQUIRED
ADVERSE PHYSICOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS (see also box 11) : Carbon monoxide and unidentified organic compounds may be formed during combustion. May cause irritation to eyes and skin especially on prolonged contact. If swallowed may cause irritation of the digestive system. Excessive inhalation of vapours may cause irritation of the respiratory system. Adverse effects on the environment are unlikely, provided that the product is used as intended.		

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME, ELINCS / EINECS AND CAS No OF INGREDIENT(S)	UK CHIP 3 / EC 1999/45 CLASSIFICATION OF INGREDIENT(S)
≤2.5	(e)-1-methoxy-4-(1-propenyl)-benzene CAS: 4180-23-8 EINECS: 224-052-0	N - Dangerous for the environment : R51/53 : Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
> 2.5 ≤ 10	2-phenyl ethanol CAS: 60-12-8 EINECS: 200-456-2	X _i - Irritant : R36 : Irritating to eyes.
≤2.5	3,7-dimethyl-2,6-octadienenitrile CAS: 5146-66-7 EINECS: 225-918-0	Dangerous for the environment : R52/53 : Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
≤2.5	3,7-dimethyloctan-1-ol CAS: 106-21-8 EINECS: 203-374-5	X _i - Irritant : R38 : Irritating to skin. N - Dangerous for the environment : R51/53 : Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
≤2.5	Methyl benzoate CAS: 93-58-3 EINECS: 202-259-7	X _n - Harmful : R22 : Harmful if swallowed.
≤2.5	Nerolin bromelia CAS: 93-18-5 EINECS: 202-226-7	N - Dangerous for the environment : R51/53 : Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES (see also "adverse effects" in box 2)

INHALATION (Breathing)	: 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 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	: For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES	: Use carbon dioxide, dry chemical or foam. DO NOT use water-jets.
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. Remove all sources of ignition. Provide adequate ventilation and avoid excessive inhalation of vapours.
PROCEDURE (see also box 13)	: Absorb with an inert material such as sand, earth or sawdust. Transfer into a suitable container for subsequent disposal. DO NOT contaminate watercourses or ground.

7. HANDLING AND STORAGE (see also box 8)

HANDLING	: Avoid contact with skin and eyes. Wear suitable gloves. Do not eat drink or smoke while handling. Avoid excessive inhalation of vapours.
STORAGE	: Store in original container in a cool, dry, ventilated place out of reach of children and away from food, drink and animal feeding stuffs. Avoid plastic or uncoated metal containers. Keep air contact to a minimum. Ensure adequate ventilation. Protect from light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)

OCCUPATIONAL EXPOSURE LIMITS	: Not assigned under EH40/2002.
ENGINEERING CONTROLS	: Where prevention of exposure is not reasonably practicable, adequate control of exposure should be achieved by engineering controls rather than the provision of personal protective equipment and clothing. More specific details cannot be given without carrying out a full risk assessment for each and every use scenario. Suitable and approved personal protective equipment and clothing may include the following item(s):
EYE PROTECTION	: Wear suitable eye protection such as safety glasses or goggles.
HAND PROTECTION	: Wear suitable hand protection such as synthetic rubber/PVC gloves.
SKIN PROTECTION	: Wear suitable skin protection such as coveralls.
BREATHING PROTECTION	: None necessary under normal working conditions. However, avoid excessive inhalation of vapours.
ENVIRONMENTAL EXPOSURE CONTROLS	: Product should be used in accordance with instructions given and any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	: A clear colourless to pale yellow, liquid perfume.		
FLASH POINT	: 78°C (closed cup).	SOLUBILITY IN WATER	: Not determined.
FLAMMABILITY	: Non flammable, however can support combustion.	SOLUBILITY IN FAT	: Not determined.
AUTOFLAMMABILITY	: Not determined.	PARTITION COEFFICIENT	: Not applicable.
VAPOUR PRESSURE	: Not determined.	BOILING POINT/RANGE	: Not determined.
SPECIFIC GRAVITY	: ca. 0.9 at 20°C	MELTING POINT/RANGE	: Not applicable.
OXIDISING PROPERTIES	: None known.	pH	: Not applicable.
EXPLOSIVE PROPERTIES	: None known.	VAPOUR DENSITY	: Not applicable.
VISCOSITY	: Not determined.	EVAPORATION RATE	: Not determined.
OTHER DATA	: Refractive index at 20 °C 1.445 – 1.460		

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, alkalis, oxidising agents and plastic or uncoated metal containers.
HAZARDOUS BREAKDOWN PRODUCTS	: Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. TOXICOLOGICAL INFORMATION (see also box 2)

ACUTE TOXICITY	Oral	: No acute toxic effects known to be caused through ingestion.
	Inhalation	: No acute toxic effects known to be caused through inhalation.
	Dermal	: No acute toxic effects known to be caused through dermal absorption.
CORROSIVITY / IRRITATION	Skin	: May be irritating to skin.
	Eyes	: May be irritating to eyes.
	Respiratory tract	: Excessive inhalation of the vapours may result in irritation to the respiratory system.
SENSITISATION	Skin	: Does not contain any known skin sensitisers.
	Respiratory	: Does not contain any known respiratory sensitisers.
REPEATED-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 be toxic to the reproductive system, and having effects on fertility.
	Developmental	: Product does not contain any components known to be toxic to the reproductive system, and having effects on development.
OTHER INFORMATION		: No specific antidote known.

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	: The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment. Environmental problems under normal conditions of use are unexpected.
ECOTOXICITY DATA	: No relevant data.
MOBILITY (of appropriate constituents)	: No relevant data.
PERSISTENCE AND DEGRADABILITY (of appropriate constituents)	: Unlikely to accumulate in the environment.
BIOACCUMULATIVE POTENTIAL (of appropriate constituents)	: Unlikely to accumulate in the environment.
ENVIRONMENTAL CONSIDERATIONS	: DO NOT contaminate watercourses or ground. The (e)-1-methoxy-4-(1-propenyl)-benzene, nerolin bromelia and 3,7-dimethyloctan-1-ol are classified as toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment, and the 3,7-dimethyl-2,6-octadienenitrile is harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Thus, every care must be taken to avoid its release and the subsequent contamination of the aquatic environment.
OTHER ADVERSE EFFECTS	: None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE	: Waste should be disposed of in accordance with local, State or National requirements.
DISPOSAL OF CONTAINERS	: Empty containers should be disposed of in accordance with local, State or National requirements.
UK SPECIAL WASTE REGULATIONS, 1996	: <u>Hazard Code:</u> H14 - Ecotoxic <u>Components making the waste special and their concentrations :</u>
	% w/w
	(e)-1-methoxy-4-(1-propenyl)-benzene ≤2.5
	3,7-dimethyloctan-1-ol ≤2.5
	Nerolin bromelia ≤2.5
NOTE FOR DISPOSAL	: Disposal should be in accordance with local, State or National requirements. 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: 0845 9333111.

14. TRANSPORT INFORMATION (International unless otherwise indicated)

<u>UN NUMBER</u> : Not required.	<u>UK HAZCHEM EAC</u> : Not required.	<u>ADR HIN</u> : Not required.
<u>UK CDGRoad Transport Category</u> : Not required.	<u>Tremcard Reference No.</u> : Not required.	<u>IMDG EMS</u> : Not required.
<u>UK CDGCPL2 CARRIAGE</u> :		
CLASS :	Not classified.	
PROPER SHIPPING NAME :	Not required.	
PACKING GROUP :	Not required.	
LIMITED QUANTITY EXEMPTIONS :	Not required.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Not required.	
<u>IMDG 2000 (SEA) CARRIAGE</u> :		
CLASS :	Not classified.	
PROPER SHIPPING NAME :	Not required.	
PACKING GROUP :	Not required.	
LIMITED QUANTITY EXEMPTIONS :	Not required.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Not required.	
<u>ADR 2001 (ROAD) CARRIAGE</u> :		
CLASS :	Not classified.	
PROPER SHIPPING NAME :	Not required.	
PACKING GROUP :	Not required.	
LIMITED QUANTITY EXEMPTIONS :	Not required.	
SPECIAL REQUIREMENTS :	Not required.	
LABELS :	Not required.	

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
NOT REQUIRED	
SAFETY PHRASES : S24/25 : Avoid contact with skin and eyes. S37 : Wear suitable gloves. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S46 : If swallowed, seek medical advice immediately and show this container or label. S61 : Avoid release to the environment. Refer to special instructions / safety data sheet.	
LEGISLATION :	This product is not classified, in the UK, under The Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002 (CHIP 3), as dangerous for supply. This product is not classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.

16. OTHER INFORMATION and indication of revisions

The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 1999.

SDS No. 827

AIRFRESH II CARTRIDGE VERDIE A – CHIP3

PAGE : 4 of 4

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.
--

Copyright © (2003) Rentokil Initial plc, R&D Division, Felcourt, East Grinstead, West Sussex, RH19 2JY, England

Telephone: +44 (0) 1342 833022 Fax: +44 (0) 1342 326229 Web: www.ri-research.com