

Safety Data Sheet

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 using the details below. In order to confirm the latest version of the SDS for this product visit <http://www.rentokil-initial.com/sds>

Issue : 01 10 : 10 : 2008

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
Product Name	FRESH COTTON	
Description	A fragrance of freshly laundered linens, for use in the Microfresh dispenser.	
Company	Ambius, Ebony House, Castlegate Way, Dudley DY1 4TA Tel: +44 (0)1293 858 000 E-mail: sds@rentokil.com	
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):		
None 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
>20.0<30.0	Propanol,1(or 2)-(2-methoxymethylethoxy) EINECS : 252-104-2 CAS : 34590-94-8	Not classified. Substance with a Community Workplace Exposure Limit (refer to box 8).
>7.5<10.0	Tetrahydro-2-isobutyl-4-methylpyran-4-ol, mixed isomers (cis and trans) ELINCS : 405-040-6 CAS : 63500-71-0	X _i : R36
>5.0<7.5	7-Octen-2-ol, 2-methyl-6-methylene-,dihydro deriv. EINECS : 258-432-2 CAS : 53219-21-9	X _i : R36/38
>5.0<7.5	Ethanone,1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) EINECS : 259-174-3 CAS : 54464-57-2	N : R51,53
>2.5<5.0	Acetic acid, (1-oxopropoxy)-, 1(3,3-dimethylcyclohexyl) ethyl ester (9CL) ELINCS : 431-700-8 CAS : 236391-76-7	N : R51,53
>2.5<5.0	Cyclohexanol, 4-(1,1-dimethylethyl)-, acetate EINECS : 250-954-9 CAS : 32210-23-4	N : R51,53
>2.5<5.0	1,6-Octadien-3-ol, 3,7-dimethyl EINECS : 201-134-4 CAS : 78-70-6	X _i : R38
>2.5<5.0	4,7, Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, acetate EINECS : 226-501-6 CAS : 5413-60-5	R52,53
>2.5<5.0	Ionone, methyl EINECS : 215-635-0 CAS : 1335-46-2	N : R51,53
>1.0<2.5	3-Buten-2-one, 3-methyl-4-(2, 6, 6-trimethyl-2-cyclohexen-1-yl) EINECS : 204-846-3 CAS : 127-51-5	R52,53
>1.0<2.5	Benzoic acid, 2-hydroxy-, pentyl ester EINECS : 218-080-2 CAS : 2050-08-0	N : R51,53
>1.0<2.5	4,7, Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, propanoate EINECS : 241-514-7 CAS : 17511-60-3	N : R51,53
>1.0<2.5	Terpineol EINECS : 232-268-1 CAS : 8000-41-7	X _i : R38
>1.0<2.5	Benzeneethanol EINECS : 200-456-2 CAS : 60-12-8	X _i : R36
>1.0<2.5	2-Buten-1-ol, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl) EINECS : 248-908-8 CAS : 28219-61-6	X _i : R38 N : R50,53
>0.5<1.0	6-Octadien-1-ol, 3,7-dimethyl EINECS : 203-375-0 CAS : 106-22-9	X _i : R38, R43 N : R51,53
>0.1<0.5	Methaone, diphenyl EINECS : 204-337-6 CAS : 119-61-9	N : R50,53
>0.1<0.5	Ethanone, 1-(2-naphthalenyl) EINECS : 202-216-2 CAS : 93-08-3	N : R51,53
>0.1<0.5	1H-3a,7-methanoazulene,2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-,[3R-3.alpha.,3a.beta.,7.beta.,8a.alpha.]] EINECS : 207-418-4 CAS : 469-61-4	X _n : R65 N : R50,53

FRESH COTTON

4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)	
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. 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. List a specific antidote (if known).

5 FIRE FIGHTING MEASURES	
Fire Extinguisher Type	Use carbon dioxide, foam, water, or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	None.

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment.
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)	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	None.
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)	Workplace Exposure Limit (WEL) for Propanol,1(or 2)-(2-methoxymethylethoxy) is 50ppm/308 mg/m ³ long-term exposure (8 hour Time Weighted Average).
Engineering Controls	Propanol,1(or 2)-(2-methoxymethylethoxy) is referred to as (2-methoxymethylethoxy) propanol in Directive EC/98/24 (1 st IOELV Directive). 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	Suitable eye protection such as goggles.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	Suitable respiratory protection such as self-contained breathing apparatus.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A colourless to very pale yellow liquid with an odour similar to freshly laundered linens.		
pH	Not determined.	Solubility in Water	Not applicable.
Density	0.953-0.963 at 20°C	Solubility in Other Solvents	Not determined.
Flash Point	84°C, closed cup.	Explosive Properties	Not applicable.
Flammability	Not applicable.	Combustibility	Combustible.
Boiling Point/Range	Not determined.	Oxidising Properties	Not applicable.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not applicable.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

FRESH COTTON

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 oxidising agents.
Hazardous Breakdown Products	None.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)


Acute Toxicity	Oral	Not determined.
	Inhalation	Not determined.
	Dermal	Not determined.
Corrosivity/Irritation	Skin	Not determined.
	Eyes	Not determined.
	Respiratory tract	Not determined.
Sensitisation	Skin	Contains citronellol, geraniol, coumarin and eugenol. May produce an allergic reaction.
	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.
	Development	Product does not contain any components known to be toxic to the reproductive system.
Other Information		None.

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	Not determined.
Bioaccumulative Potential	Not determined.
Other Adverse Effects	None known.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Container	This product is dangerous for the environment. Do not discharge waste washings or waste product to sewers, drains or watercourses. Under normal circumstances, waste / empty containers will be disposed of by Ambius.
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	For disposal advice contact Ambius. Tel: +44 (0)1293 858 000
Note for Disposal	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.	90GM6-III	
Transport Category	3	UK Hazchem EAC	•3Z	
ADR 2007 (International Road)	Class 9	ADR HIN	90	
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ACETYLTETRAMETHYLOCTALINE; ROMANDOLIDE).			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. Combination packs only.			
Special Requirements	Not required.	Packing Group		III
IMDG 2006 (Sea)	Class 9	IMDG EMS		F-A, S-F
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ACETYLTETRAMETHYLOCTALINE; ROMANDOLIDE).			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. Combination packs only.			
Special Requirements	Marine pollutant.	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	S57 Use appropriate container to avoid environmental contamination. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
Additional Label Phrases	Contains citronellol, geraniol, coumarin and eugenol. May produce an allergic reaction.
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	A 250 ml and 1 litre plastic container with a screw top lid.
Revisions	Not applicable.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R36 : Irritating to eyes. R36/38 : Irritating to eyes and skin. R38 : Irritating to skin. R43 : May cause sensitisation by skin contact. 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. R65 : Harmful: may cause lung damage if swallowed.

FRESH COTTON

SDS No. 994

Issue : 01

10 : 10 : 2008

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 © (2008) Rentokil Initial plc, European Technical Centre, Units 7 & 8 Foundry Court, Foundry Lane, Horsham, West Sussex. RH13 5PY. United Kingdom.

Telephone: +44 (0) 1293 858000 Fax: +44 (0) 1403 214101 Web: <http://www.ri-research.com>