

# 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 : 02 14 : 07 : 2009

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
<b>Product Name</b>	<b>PINK GRAPEFRUIT</b>	
<b>Description</b>	An invigorating fragrance of ripe grapefruit, orange and other citrus fruits, for use in the Microfresh dispenser.	
<b>Company</b>	Ambius, Ebony House, Castlegate Way, Dudley DY1 4TA Tel: +44 (0)1293 858 000 E-mail: <a href="mailto:sds@rentokil.com">sds@rentokil.com</a>	
2 HAZARD IDENTIFICATION		
<b>Classification (Supply – Use) : In compliance with EC Directive 1999/45.</b>		
<b>X<sub>i</sub> Irritant</b>	R38 R43	Irritating to skin. May cause sensitisation by skin contact.
<b>N Dangerous for the environment</b>	R51,53	Toxic 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 sensitisation and irritation in contact with skin, especially on prolonged contact. 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
>7.5<10.0	1,6-Octadien 3-ol, 3,7-dimethyl EINECS : 201-134-4, CAS : 78-70-6	X <sub>i</sub> R38
>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 <sub>i</sub> R36
>5.0<7.5	4,7-methano-1H-inden-5-ol, 3a,4,5,6,7,7a-hexahydro-, acetate EINECS : 219-700-4, CAS : 2500-83-6	R52,53
>2.5<5.0	6-octen-1-ol, 3,7-dimethyl EINECS : 203-375-0, CAS : 106-22-9	X <sub>i</sub> R38, X <sub>i</sub> R43, N R51,53
>2.5<5.0	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
>2.5<5.0	Cyclohexanol, 4-(1,1-dimethyl)-,acetate EINECS : 250-954-9, CAS : 32210-23-4	X <sub>i</sub> R43, N R51,53
>2.5<5.0	Benzoic acid, 2-hydroxy-,phenylmethylester- EINECS : 204-262-9 CAS : 118-58-1	X <sub>i</sub> R38, X <sub>i</sub> R43, R10, N R50,53
>2.5<5.0	Limonene EINECS : 205-341-0 CAS : 138-86-3	N R50,53
>2.5<5.0	Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl EINECS : 214-946-9, CAS : 1222-05-05	X <sub>i</sub> R43
>1.0<2.5	Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl EINECS : 201-289-8, CAS : 80-54-6	N R51,53
>1.0<2.5	1,4-Dioxacycloheptadecane-5,17-dione EINECS : 203-347-8, CAS : 105-95-3	X <sub>i</sub> R38
>1.0<2.5	Terpineol EINECS : 232-268-1, CAS : 8000-41-7	X <sub>i</sub> R43
>1.0<2.5	Octanol, 2-(phenylmethylene) EINECS : 202-983-3, CAS : 101-86-0	X <sub>i</sub> R36/38
>1.0<2.5	3-Cyclohexene-1-carboxaldehyde,2, 4-dimethyl EINECS : 268-264-1, CAS : 68039-49-6	X <sub>n</sub> R22
>1.0<2.5	Benzyl benzoate EINECS : 204-402-9, CAS : 120-51-4	X <sub>n</sub> R21/22, N R51,53
>1.0<2.5	Hexanoic acid, 2-propenyl ester EINECS : 204-642-4, CAS : 123-68-2	X <sub>i</sub> R38, N R51,53
>1.0<2.5	Benzenepropanal, .alpha.-methyl-4-(1-methylethyl) EINECS : 203-161-7, CAS : 103-95-7	N R51,53
>0.5<1.0	3-Buten-2-one, 4-(2,6,6-trimethyl-1-cyclohexen-1-yl) EINECS : 238-969-9, CAS : 14901-07-6	N R51,53
>0.1<0.5	Butenoic acid, 1,1-dimethyl-2-phenylethyl ester EINECS : 233-221-8, CAS : 10094-34-5	X <sub>i</sub> R43 N R50,53
>0.1<0.5	3-Methylcyclopentadecenone ELINCS : 429-900-5, CAS : 63314-79-4	N R50,53
>0.1<0.5	Ethanone, 1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)- [3R-(3.alpha., 3a.beta., 7.beta., 8a.alpha.)] EINECS : 251-020-3, CAS : 32388-55-9	X <sub>i</sub> R38, N R51,53
>0.1<0.5	Dodecanal EINECS : 203-983-6, CAS : 112-54-9	N R51,53
>0.1<0.5	Benzene,1,1'-oxybis EINECS : 202-981-2, CAS : 101-84-8	

## PINK GRAPEFRUIT

<b>4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)</b>	
<b>Inhalation</b>	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, water, or dry powder extinguishers.
<b>Special Fire-Fighting Procedures</b>	Wear suitable personal protective equipment.
<b>Special Exposure Hazards</b>	None.

<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.

<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>	Workplace Exposure Limit (WEL) for Benzene,1,1'-oxybis is 1ppm/7 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average).
<b>Engineering Controls</b>	Benzene,1,1'-oxybis is referred to as Diphenyl ether (vapour) in Directive EC/98/24 (1 <sup>st</sup> 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:
<b>Eye Protection</b>	Suitable eye protection such as goggles.
<b>Hand Protection</b>	Suitable hand protection such as gloves.
<b>Skin Protection</b>	Suitable skin protection such as coveralls.
<b>Breathing Protection</b>	Suitable respiratory protection such as self-contained breathing apparatus.
<b>Environmental Exposure Controls</b>	Use only in accordance with instructions given.

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Appearance and Odour</b>	A colourless to pale yellow liquid with an odour similar to ripe grapefruit, orange and other citrus fruits.		
<b>pH</b>	Not determined.	<b>Solubility in Water</b>	Not determined.
<b>Density</b>	0.962-0.982	<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>	Not determined.	<b>Combustibility</b>	Not determined.
<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.

## PINK GRAPEFRUIT

## 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 oxidising agents.
<b>Hazardous Breakdown Products</b>	None.

## 11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

<b>Acute Toxicity</b>	Oral	Not determined.
	Inhalation	Not determined.
	Dermal	Not determined.
<b>Corrosivity/Irritation</b>	Skin	Irritating to skin.
	Eyes	Not determined.
	Respiratory tract	Not determined.
<b>Sensitisation</b>	Skin	May cause sensitisation by skin contact.
	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	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.
<b>Other Information</b>		None.


## 12 ECOLOGICAL INFORMATION

<b>General Information</b>	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.
<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 Ambius.
<b>Classification</b> (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
<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. Local rate from anywhere in the UK: +44 (0) 870 850 6506.

### PINK GRAPEFRUIT

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	UN3082	Tremcard Reference No.	90GM6-III	RIS Code
Transport Category	3	UK Hazchem EAC	●3Z	N/A
ADR 2007 (International Road)	Class 9 ADR HIN 90			Labels
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CITRONELLOL; TRICYCLODECENYL PROPIONATE).			
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. (CITRONELLOL; TRICYCLODECENYL PROPIONATE).			
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			
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	S24/25 Avoid contact with skin and eyes. S37 Wear suitable gloves. S57 Use appropriate container to avoid environmental contamination. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
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) <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.

16 Other Information and indication of revisions	
Packaging Information	A 75ml, 175ml, 250 ml and 1 litre plastic container with a screw top lid.
Revisions	Not applicable.
Risk phrase text	R10 : Flammable. R21/22 : Harmful in contact with skin and if swallowed. R22 : Harmful if swallowed. 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.

## PINK GRAPEFRUIT

SDS No. 990

Issue : 02

14 : 07 : 2009

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 © (2009) 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>