

## 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/initial-washrooms/>

Issue : 02 01 : 04 : 2010

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
<b>Product Name</b>	<b>RENTOKIL AF BLUE RTU</b>
<b>Description</b>	A liquid fragrance for use by Rentokil Initial technicians in the airfresh unit.
<b>Company</b>	Dudley Industries, Lytham FY8 5AT, UK Product advice line: +44 (0)1253 738 311 Emergency line: +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>	
R52/53	<b>Harmful to aquatic organisms. May cause long term effects in the aquatic environment.</b>
<b>Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):</b>	
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
>50.0 ≤100.0	(2-methoxymethylethoxy)propanol EINECS : 252-104-2 CAS : 34590-94-8	Not classified. Substance with a Community Workplace Exposure Limit (refer to box 8). X <sub>i</sub> : R36/38
>0.1 ≤1.0	1,4-dioxacycloheptadecane-5,17-dione EINECS : 242-362-4 CAS : 18479-58-8	X <sub>i</sub> : R36/38
>0.1 ≤1.0	3R-(3alpha,3alphabetabeta,7beta, 8alphaalpha)]-2,3,4,7,8,8alpha-hexahydro-3,6,8,8-tetramethyl-1 H-3alpha,7-methanoazulene EINECS : 203-347-8 CAS : 105-95-3	N : R50,53
>0.1 ≤1.0	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one EINECS : 259-174-3 CAS : 54464-57-2	N : R51,53
<0.1	2,6-Di-tert-butyl-p-cresol EINECS : 204-881-4 CAS : 128-37-0	X <sub>n</sub> : R20/21/22 X <sub>i</sub> : R36/37/38

### RENTOKIL AF BLUE RTU

<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 or dry powder extinguishers. Do NOT use water extinguishers.
<b>Special Fire-Fighting Procedures</b>	Wear suitable personal protective equipment. Use protection for the respiratory tract.
<b>Special Exposure Hazards</b>	None.

<b>6 ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions (See also box 8)</b>	No personal protective equipment is needed.
<b>Environmental Precautions</b>	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>	Apply good manufacturing and industrial hygiene practices and adequate ventilation.
<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. Protect from light.

<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 (2-methoxymethylethoxy)propanol is 308 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average) Workplace Exposure Limit (WEL) for 2,6-Di-tert-butyl-p-cresol is 10 mg/m <sup>3</sup> long-term exposure (8 hour Time Weighted Average)
<b>Engineering Controls</b>	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>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
<b>Hand Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
<b>Skin Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements..
<b>Breathing Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements
<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 liquid fragrance with a characteristic odour.		
<b>pH</b>	Not determined.	<b>Solubility in Water</b>	Not determined.
<b>Density</b>	Not determined.	<b>Solubility in Other Solvents</b>	Not determined.
<b>Flash Point</b>	61°C (closed cup)	<b>Explosive Properties</b>	Not determined.
<b>Flammability</b>	Non-flammable.	<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 determined.
<b>Viscosity</b>	Not determined.	<b>Other Data</b>	None known.

## RENTOKIL AF BLUE RTU

## 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>	None known that present a hazard.
<b>Hazardous Breakdown Products</b>	Carbon monoxide and unidentified organic compounds may be formed during combustion.

## 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	Not determined.
	Eyes	Not determined.
	Respiratory tract	Not determined.
<b>Sensitisation</b>	Skin	Contains no known skin sensitisers.
	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 known.

## 12 ECOLOGICAL INFORMATION

<b>General Information</b>	This product is classified as harmful 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>	This product is dangerous for the environment. Do not discharge to sewers, drains or watercourses. This product and its empty container must be disposed of as controlled waste. Under normal circumstances, waste product / empty containers will be disposed of by Rentokil Initial.						
<b>Classification</b> (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Not classified.						
<b>Note for Disposal</b>	<table><thead><tr><th><u>Components making the waste hazardous</u></th><th><u>Concentrations (%)</u></th></tr></thead><tbody><tr><td colspan="2">Not required.</td></tr><tr><td colspan="2">The best means of disposal of any product is through proper use according to the label. 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</td></tr></tbody></table>	<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u>	Not required.		The best means of disposal of any product is through proper use according to the label. 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	
<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u>						
Not required.							
The best means of disposal of any product is through proper use according to the label. 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.	Not classified		RIS Code
Transport Category	Not required	UK Hazchem EAC	Not required N/A
ADR 2009 (International Road)	Class Not required	ADR HIN	Not required
Proper Shipping Name	Not required		Labels  Not required.
Limited Quantity Exemptions	Not required		
Special Requirements	Not required.	Packing Group	
IMDG 2008 (Sea)	Class Not required	IMDG EMS	Not required
Proper Shipping Name	Not required		Labels  Not required.
Limited Quantity Exemptions	Not required		
Special Requirements	Not required.	Packing Group	
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	S35 This material and its container should be disposed of in a safe way.
Additional Label Phrases	Not required.
Legislation	<p>Labelling is in accordance with UK regulations implementing the EC Directive 1999/45.</p> <p>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.</p> <p>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.</p>

16 Other Information and indication of revisions	
Packaging Information	30 x 100ml refills in a cardboard box.
Revisions	Changes have been made to the content of boxes 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 02.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	<p>R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R36/37/38 : Irritating to eyes, respiratory system and skin.</p> <p>R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R51,53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R52,53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment</p> <p>R65 : Harmful: may cause lung damage if swallowed.</p>

## RENTOKIL AF BLUE RTU

SDS No. 1039

Issue : 02

01 : 04 : 2010

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 © (2010) 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