

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 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.

REVISION (see box 16)
Issue : 06 31 :07 : 2007

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	DEOWICKS
Description	A felt pad impregnated with a perfumed fragrance. For use in Calmic Sanitizers Mark 6 and 7.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050 Emergency line: 01342 833022. Email: eurotech.techinfo@rentokil-initial.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):

Carbon monoxide may be formed during combustion.
May cause irritation to skin and eyes, especially on prolonged contact. Excessive inhalation of the vapours may cause irritation.
Adverse effects on the environment are unlikely, provided that the product is used as intended.

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)

% w/w	Common*/Chemical Name, Elincs/Einecs & CAS No. of Ingredients	EC 1999/45 Classification
> 2.5 ≤10.0	4-Tertiary-butylcyclohexyl acetate EINECS : 407-650-3 CAS : 63767-86-2	N : R51,53
> 2.5 ≤10.0	Phenethyl alcohol EINECS : 200-456-2 CAS : 60-12-18	X _i : R36
> 2.5 ≤10.0	Hexyl salicylate EINECS : 228-408-6 CAS : 6259-76-3	X _i : R38 N : R50,53
> 1.0 ≤2.5	1-(4-Isopropylcyclohexyl)-ethanol EINECS : 407-650-3 CAS : 63767-86-2	X _i : R36/38 N : R51,53
> 1.0 ≤2.5	2-Methyl-3-(4-isopropylphenyl) propanal EINECS : 203-161-7 CAS : 103-95-7	X _i : R38 N : R51,53
> 1.0 ≤2.5	Citronellyl acetate EINECS : 205-775-0 CAS : 150-84-5	X _i : R38
> 1.0 ≤2.5	b-Methyl-benzenepentanol EINECS : 405-890-8 CAS : 25634-93-9	X _i : R36/38
≤1.0	3,7-Dimethyloctan-1-ol EINECS : 203-374-5 CAS : 106-21-8	X _i : R38 N : R51,53
≤1.0	Amyl salicylate EINECS : 218-080-2 CAS : 2050-08-0	N : R51,53
≤1.0	Hexahydrohexamethyl cyclopentabenzopyran EINECS : 214-946-9 CAS : 1222-05-5	N : R50,53
≤1.0	Undecylenal EINECS : 203-973-1 CAS : 112-45-8	X _i : R36
≤1.0	Acetyl hexamethyl tetralin EINECS : 244-240-6 CAS : 21145-77-7	X _n : R22 N : R50,53
≤1.0	2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol EINECS : 248-908-8 CAS : 28219-64-6	X _i : R38 N : R50,53
≤1.0	Dodecanal EINECS : 203-893-6 CAS : 112-54-9	X _i : R38 N : R51,53
≤1.0	Gamma-undecanactone EINECS : 203-225-4 CAS : 104-67-6	X _i : R38 N : R50,53

DEOWICKS

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.

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 may be formed during combustion.

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment.
Environmental Precautions	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 Storage	No specific handling requirements. 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	Not indicated by product classification.
Skin Protection	Not indicated by product classification.
Breathing Protection	Not indicated by product classification.
Environmental Exposure Controls	Product should be used in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A felt pad impregnated with a perfumed fragrance.		
pH	Not applicable.	Solubility in Water	Felt pad is insoluble.
S.G.	Fragrance: 1.0 at 20°C	Solubility in Fat	Felt pad is insoluble.
Flash Point	Fragrance: 97°C (closed cup)	Explosive Properties	None.
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.

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 may be formed during combustion.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

Acute Toxicity	Oral	Not determined.
	Inhalation	Not determined.
	Dermal	Not determined.
Corrosivity/Irritation	Skin	May cause irritation to skin.
	Eyes	May cause irritation to eyes.
	Respiratory tract	Excessive inhalation of the vapours may cause irritation.
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	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 known.


12 ECOLOGICAL INFORMATION

General Information	This product is classified as toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Ecotoxicity Data	Not determined.
Mobility	Not determined.
Persistence and Degradability	Unlikely to accumulate in the environment and environmental problems under normal use conditions are unexpected.
Bioaccumulative Potential	Unlikely to accumulate in the environment and environmental problems under normal use conditions are unexpected.
Other Adverse Effects	When spilled can contaminate soil, ground and surface waters.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial. <u>Hazard Code:</u> H14 - Ecotoxic <u>Components making the waste hazardous</u> <u>Concentrations (%):</u> 1-(4-Isopropylcyclohexyl)-ethanol > 1.0 ≤2.5 2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol ≤1.0 2-Methyl-3-(4-isopropylphenyl) propanal > 1.0 ≤2.5 3,7-Dimethyloctan-1-ol ≤1.0 4-Tertiary-butylcyclohexyl acetate > 2.5 ≤10.0 Acetyl hexamethyl tetralin ≤1.0 Amyl salicylate ≤1.0 Dodecanal ≤1.0 Gamma-undecanactone ≤1.0 Hexahydrohexamethyl cyclopentabenzopyran ≤1.0 Hexyl salicylate > 2.5 ≤10.0 Undecylenal ≤1.0
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.	UN3077	Tremcard Reference No.	CEFIC TEC (R)- 90GM7-III	RIS Code
Transport Category	3	UK Hazchem EAC	2Z	504AA81
ADR 2007 (International Road) Proper Shipping Name	CLASS 9 ADR HIN 90			Labels
Limited Quantity Exemptions	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Hexyl salicylate and 4-Tertiary-butylcyclohexyl acetate)			 10 x 10 x 4.5g
Special Requirements	Maximum quantity per inner receptacle is 6 litres. Maximum quantity per outer package is 30 litres. Combination packs only. Packing Group III			
IMDG 2006 (Sea) Proper Shipping Name	Class 9 IMDG EMS F-A, S-F			
Limited Quantity Exemptions	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Hexyl salicylate and 4-Tertiary-butylcyclohexyl acetate).			
Special Requirements	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30 litres. Combination packs only. 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 containment to avoid environmental contamination. S60: This material and its container must be disposed of as hazardous waste.
Additional Label Phrases	None.
Legislation	<p>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.</p> <p>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.</p>

16 Other Information and indication of revisions

Packaging Information	A plastic tub with 10 x 10 pads impregnated with fragrance.
Revisions	Changes have been made to the content of boxes 01, 03, 06, 07, 08, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 05.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R22 : Harmful if swallowed. R36 : Irritating to eyes. R36/38 : Irritating to eyes and skin. R38 : Irritating to skin. 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.

DEOWICKS

SDS No. 604

Issue : 06

31 : 07 : 2007

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 © (2007) Rentokil Initial plc, European Technical Centre, Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom.

Telephone: +44 (0) 1293 858000 Fax: +44 (0) 1342 836180 Web: www.ri-research.com