

Safety Data Sheet

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REVISION (see box 16)

Issue : 8

22 : 03 : 2013

SECTION 1 Identification of the substance/mixture and of the company/undertaking.

1.1 Product identifier	Deadline Odourising Sachets	-
1.2 Relevant identified uses of the substance or mixture and uses advised against	A highly fragranced sachet that masks the smell of mice, rats and other pests.	
1.3 Details of the supplier of the safety data sheet	Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 E-mail: sds@rentokil.com	
National contact	Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 E-mail: sds@rentokil.com	
1.4 Emergency telephone number	0844 892 011 (for use by medical professionals only).	

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008.

Classification according to Directive 1999/45/EC (See section 16)

N	Dangerous for the environment.	R50/53
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2.2 Label elements

	Dangerous for the environment.	
Risk phrase(s) (R), in full / Hazard statement(s) (H), in full.	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Safety phrase(s) (S), in full / Precautionary Statement(s) (P), in full.	S2: Keep out of the reach of children. S60: This material and its container must be disposed of as hazardous waste.	

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.
Precautionary statements are not required.

2.3 Other hazards

None expected under normal conditions of handling and use.

SECTION 3 Composition/Information on Ingredients (See section 16)

3.2 Mixtures

% w/w	Common*/ Chemical Name (IUPAC)	CAS No.	EC No.	Index No.	REACH Registration No.	Directive 67/548/EEC classification	Regulation (EC) No 1272/2008 classification
>5.0 ≤20.0	4-tert-butylcyclohexyl acetate	32210-23-4	250-954-9	-	-	N: R51/53	Not classified.
>1.0 ≤10.0%	2-Phenylethanol	60-12-8	200-456-2	-	-	Xi: R36	Eye Irrit. 2 : H319
>1.0 ≤10.0%	Pentyl salicylate	2050-08-0	218/080/2	-	-	N: R51/53	Not classified.
>1.0 ≤10.0%	Para-menth-1-en-8-ol	98-55-5	202-680-6	-	-	Xi: R38	Not classified.
>1.0 ≤10.0%	3,7-Dimethyl-2,6-Octadienyl Acetate	105-87-3	203-341-5	-	-	Xi: R38 N: R51/53	Aquatic Chronic 2 : H411
>1.0 ≤10.0%	Citronellyl Acetate	150-84-5	205-775-0	-	-	Xi: R38 N: R51/53	Not classified.
>1.0 ≤10.0%	2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	63500-71-0	405-040-6	-	-	Xi: R36	Not classified.
>0 ≤5.0%	Hydrocarbons, aliphatic, alicyclic and aromatic			-	-	Xn: R65	Not classified.
>0 ≤5.0%	Resin acids and Rosin acids, hydrogenated, Me esters	8050-15-5	232-476-2	-	-	Xi: R43	Not classified.
≤1.0	Cedr-8-ene	469-61-4	207-418-4	-	-	Xn: R65 N: R50/53	Not classified.
≤1.0	undec-10-enal	112-45-8	203-973-1	-	-	N: R51/53	Not classified.
≤1.0	5-heptyloxolan-2-one	104-67-6	203-225-4	-	-	N: R51/53	Not classified.
≤1.0	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno	1222-05-5	214-946-9	-	-	N: R50/53	Not classified.

SECTION 4 First-Aid Measures

4.1 Description of first aid measure

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.

4.2 Most important symptoms and effects both acute and delayed (See section 2.3)

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".
4.3 Indication of any immediate medical attention and special treatment needed	
Note To Doctor	Further information on all Rentokil Initial formulations is lodged with the local National Poisons Information Service.
Antidote	No known antidote.

SECTION 5 Fire Fighting Measures

5.1 Extinguishing media	
Suitable extinguishing media	Use carbon dioxide, foam or dry powder extinguishers.
Unsuitable extinguishing media	Do NOT use a water jet.
5.2 Special hazards arising from the substance or mixture	Carbon monoxide and unidentified organic compounds may be formed in the event of a fire.
5.3 Advice for fire fighters	Wear self contained breathing apparatus and suitable personal protective equipment conforming to EN469.

SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures	Wear suitable personal protective equipment.
6.2 Environmental precautions	Keep away from drains, surface and ground water, and soil.
6.3 Methods and material for containment and cleaning up	If the sachets retain their integrity, collect them up and return to a suitable container. Otherwise, cover with sand, earth or other inert material and transfer to a suitable container for subsequent disposal. DO NOT contaminate watercourses or ground.
6.4 Reference to other sections	Please also see sections 8 and 13 for further information.
Additional information	None.

SECTION 7 Handling and Storage

7.1 Precautions for safe handling	Avoid contact with eyes and skin. Wash hands after use. Do not smoke, eat or drink while handling this product. Always read the label before use.
7.2 Conditions for safe storage, including any incompatibilities	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.
7.3 Specific end use(s)	Odour neutraliser

SECTION 8 Exposure Controls/Personal Protection

8.1 Control Parameters		
Exposure standard - Directive 98/24/EC (1st IOELV Directive)	Workplace Exposure Limit (WEL) long-term exposure (8 hour Time Weighted Average)	Not applicable.
	Workplace Exposure Limit (WEL) short-term exposure (15 minute reference period)	Not applicable.
	Substance name used in Directive EC/98/24 (1st IOELV Directive)	Not applicable.
8.2 Exposure Controls		
Appropriate 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):
Individual Protection Measures	
Eye/face protection	None necessary under normal working conditions.
Hand protection	None necessary under normal working conditions. However, wear suitable hand protection such as synthetic rubber/PVC gloves if exposure is likely.
Skin/body protection	None necessary under normal working conditions.
Respiratory protection	None necessary under normal working conditions. Do not inhale high concentrations of the fragrance directly.
Environmental Exposure Controls	Product should be used in accordance with instructions given in Pest Control Technical Manual and any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

SECTION 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance, odour and physical state	Paper sachets containing a granular material with an orchid-like fragrance.		
pH	Not applicable.	Solubility in water	Not determined.
Density	Not determined.	Solubility in other solvents	Not determined.
Relative density	Not determined.	Explosive properties	No known explosive properties.
Flash point	Fragrance: >70°C.	Combustibility	Not determined.
Flammability	Non-flammable, but sachets may support combustion.	Oxidising properties	None known.
Initial boiling Point and boiling range	Not applicable.	Evaporation rate	Not determined.
Vapour Density	Not determined.	Partition coefficient: n-octanol/water	Not applicable.
Vapour pressure	Not determined.	Decomposition temperature	Not determined.
Melting point / Freezing point	Not determined.	Auto-ignition temperature	Not determined.

9.2 Other Information

Upper/lower flammability or explosive limits	Not determined.	Other safety information	None known.
Viscosity	Not applicable.		

SECTION 10 Stability and Reactivity

10.1 Reactivity	This product is stable under normal conditions of handling and use.
10.2 Chemical stability	This product is stable under normal conditions of handling and use.
10.3 Possibility of hazardous reactions	None expected under normal conditions of handling and use.
10.4 Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
10.5 Incompatible materials	Avoid contact with varnished, polished or plastic surfaces, delicate fabrics, strong acids, alkalis and oxidising agents.
10.6 Hazardous decomposition products	Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11 Toxicological Information (see also box 2)

11.1 Information on toxicological effects

Acute Toxicity	Oral	Unlikely to cause harmful effects if ingested.
	Inhalation	Unlikely to cause harmful effects under normal conditions of handling and use.
	Dermal	Unlikely to cause harmful effects under normal conditions of handling and use.
Corrosivity/ Irritation	Skin	Unlikely to be irritating in contact with skin after short periods of exposure.
	Eyes	May be irritating to eyes.
	Respiratory tract	May be irritating to respiratory tract.
Sensitisation	Skin	Contains no known skin sensitisers.
	Respiratory	Contains no 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 have effects on fertility.
	Developmental	Product does not contain any components known to be toxic to the reproductive system.
Other data	No specific antidote known.	

SECTION 12 Ecological Information

12.1 Toxicity

General information	Controlled release of this product is not expected to cause environmental contamination. Use only in accordance with instructions given.
Ecotoxicity data	Not determined.
12.2 Persistence and degradability	Not determined.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	Not determined.
12.5 Results of PBT and vPvB assessment	Not determined.
12.6 Other Adverse Effects	None known.

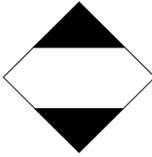
SECTION 13 Disposal Considerations

13.1 Waste treatment methods	The best means of disposal of any product is through proper use. Disposal must be in accordance with Local, State or National Requirements.	
Product/packaging disposal	Disposal must be in accordance with Local, State or National Requirements.	
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Hazard Code: H14 - Ecotoxic.	
	Substances making the waste hazardous:	Concentrations (%):
	4-tert-butylcyclohexyl acetate	>5.0 ≤20.0
	Pentyl salicylate	>1.0 ≤10.0%
3,7-Dimethyl-2,6-Octadienyl Acetate	>1.0 ≤10.0%	

	Citronellyl Acetate	>1.0 ≤10.0%
	Cedr-8-ene	≤1.0
	undec-10-enal	≤1.0
	5-heptyloxolan-2-one	≤1.0
	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno	≤1.0
Note for Disposal	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 Environmental Agency (England and Wales) or Scottish Environment Protection Agency. Local rate from anywhere in the UK: +44 (0) 870 850 6506.	

SECTION 14 Transport Information (International unless otherwise indicated)

ADR 2011 (International Road) / IMDG 2010 (Sea)

14.1 UN number	3077	RIS Code	25 x 24.5g sachets FR04	
14.2 UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains 4-tert-butylcyclohexyl acetate).			
14.3 Transport hazard class(es)	9			
ADR HIN	90			
UK Hazchem EAC	2X			
IMDG EMS	F-A, S-F			
14.4 Packing Group	III	Labels 		
Transport Category	3			
14.5 Environmental hazards	Not applicable.			
Marine pollutant	Not applicable.			
Additional precautions	Not applicable.			
14.6 Special precautions for user	Not required.			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		Not applicable.		
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 kg. Maximum per outer package is 30 kg. Combination packs only.			
Note for Transport	Local, State or National requirements may apply to the carriage of this product.			

SECTION 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorisations and/or restrictions on use	None known.
Other EU regulations	This safety data sheet was prepared in accordance with EC Directive 1907/2006. Labelling is in accordance with EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with other National legislation. The registration of this product may be necessary before use and any additional local requirements must be observed at all times. Other National measures or guidance should be followed where appropriate.
15.2 Chemical safety assessment	Information to be made available according to ECHA review programme.

SECTION 16 Other Information

Revisions	Changes have been made to the content of boxes 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, compared with issue 7.
Abbreviations and acronyms	<p>Typical standard abbreviations and acronyms used in Rentokil Initial Safety Data Sheets are as follows:</p> <p>ADR 2011 - International Carriage of Dangerous Goods by Road (ADR) ADR HIN - ADR Hazard Identification Number (HIN) Annex I DNEL or PNEC - Derived No Effect Level / Predicted No Effect Concentration CAS No - Chemicals Abstract Service Registry Number COSHH assessments - Control of Substances Hazardous to Health ECHA - European Chemicals Agency EC No - European Commission number EN469 - European standard for Personal Protective Equipment used for fire fighting EN standards for PPE - European Standards for Personal Protective Equipment EWC - European Waste Catalogue Code IMDG 2010 - International Maritime Dangerous Goods (IMDG) Code IUPAC - International Union of Pure and Applied Chemistry LD₅₀ - Median lethal dose LC₅₀ - Lethal concentration REACH - Registration, Evaluation, Authorisation and restriction of Chemicals RIS Code - Internal manufacturing code number WEL - Workplace Exposure Limit UK Hazchem EAC - UK Hazchem Emergency Action Code</p> <p>Typical Directives and Regulations referred to Rentokil Initial Safety Data Sheets are as follows:</p> <p>Commission Decision 95/320/EC - Scientific Committee for Occupational Exposure Limits to Chemical Agents Commission Decision 2000/532/EC - List of wastes Commission Decision 2001/118/EC - Amendment to 2000/532/EC with regards to List of wastes Directive 67/548/EEC - Dangerous Substances Directive Directive 76/768/EC (as amended) - The Cosmetics Directive Directive 89/686/EEC - The Personal Protective Equipment (PPE) Directive Directive 91/689/EC - Directive on Hazardous waste Directive 98/24/EC (1st IOELV Directive) - Chemical Agents Directive 98/24/EC Protection of the Health and Safety of Workers from the Risks from Chemical Agents IOELV Directive: Indicative Occupational Exposure Limit Values Directive 1907/2006 - REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) Directive 1999/45/EC - Dangerous Preparations Directive Directive 2004/37/EC - Carcinogens and Mutagens Directive Regulation (EC) No. 648/2004 - Detergents Regulation Regulation (EC) No 1272/2008 - Classification, Labelling and Packaging</p>

Key literature references and sources for data	For details of the data and information sources used, please contact Rentokil Initial using the details in Section 1.
Classification and used classification procedure for mixtures labelled to Directive 1999/45/EC according to Regulation (EC) No 1272/2008	Not currently classified to Regulation (EC) No. 1272/2008 until 31/05/2015.
Risk phrase/Hazard statement text (From section 3 - These refer to the ingredients only. See section 2 for the product risk phrases)	R36: Irritating to eyes. 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. R65: Harmful: may cause lung damage if swallowed. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.
Training advice	Always read the label and product information before use.
Further Information	A plastic tub containing 25 individually cellophane wrapped paper sachets.

DEADLINE ODORISING SACHETS

SDS No. 312 - EN - GB

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Before using any product, ensure that you read and understand its label.

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