

Safety Data Sheet

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REVISION (see box 16)

Issue : 02 09 : 12 : 2009

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
Product Name	MOTH KILLER HANGING UNIT	HSE 8344
Description	A fabric pad impregnated with an insecticide. For amateur use indoors against cloth damaging moths, larvae and eggs in domestic premises. Apply in contained areas such as cupboards and wardrobes where clothes are stored.	
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0)151 548 5050 Emergency line: +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	R50/53	Very 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):			
Contact with this product is unlikely to cause adverse human health effects. However, prolonged contact with the pad may cause irritation.			
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
2.18	Transfluthrin * / Cyclopropanecarboxylic acid, 3(2,2-dichloroethenyl)-2,2-dimethyl-(2,3,5,6-tetrafluorophenyl-methyl ester, (1R,3S)- ELINCS: 405-060-5 CAS : 118712-89-3	X _i : R38 N : R50,53
>10.0 ≤25.0	Distillates (petroleum), hydrotreated light EINECS : 265-149-8 CAS : 64742-47-8	X _n : R65

MOTH KILLER HANGING UNIT

4 FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2)

Inhalation	This route of exposure is not anticipated.
Eye Contact	This route of exposure is not anticipated.
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, water, or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	None known.

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)	Collect up spilt material and transfer to a suitable container for subsequent disposal.

7 HANDLING AND STORAGE (SEE ALSO BOX 8)

Handling	Wash hands thoroughly with soap and water after handling. Avoid contact with skin and eyes.
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)	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	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Hand Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Skin Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Breathing Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	A fabric pad impregnated with a pale yellow liquid with a characteristic odour.		
pH	Not applicable.	Solubility in Water	Not determined.
Density	Not determined.	Solubility in Other Solvents	Not determined.
Flash Point	Not applicable.	Explosive Properties	None.
Flammability	Non flammable	Combustibility	Non-combustible.
Boiling Point/Range	Not applicable.	Oxidising Properties	None.
Vapour Density	Not applicable.	Evaporation Rate	Not determined.
Vapour Pressure	Not applicable.	Partition Coefficient	Not applicable.
Viscosity	Not applicable.	Other Data	None known.

MOTH KILLER HANGING UNIT

10 STABILITY AND REACTIVITY

Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
Materials to avoid	None.
Hazardous Breakdown Products	None.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

Acute Toxicity	Oral	For transfluthrin: LD ₅₀ (rat): >5000 mg/kg
	Inhalation	For transfluthrin: LC ₅₀ (rat): >0.513 mg/l
	Dermal	For transfluthrin: LD ₅₀ (rat): >5000 mg/kg
Corrosivity/Irritation	Skin	Contact with skin may cause irritation.
	Eyes	Contact with eyes may cause irritation.
	Respiratory tract	No data available.
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 very 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	For transfluthrin: LC ₅₀ (Rainbow trout (<i>Onchorhynchus mykiss</i>)) (96hr): 0.7 µg/L LC ₅₀ (<i>Daphnia magna</i>) (48hr): 1.7 µg/L IC ₅₀ (Algae (<i>Desmodesmus subspicatus</i>)) (72hr): >0.1 mg/L
Mobility	No data available.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Other Adverse Effects	None known.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers	This product is dangerous for the environment. Do not discharge to sewers, drains or watercourses.				
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	This product is for amateur use and can be disposed of as normal household waste. However, if used in a place of work, any product must be disposed of as hazardous waste while the empty container may be disposed of as controlled waste in accordance with the appropriate regulations. <u>Hazard Code:</u> H14 - Ecotoxic				
Note for Disposal	<table><tr><td><u>Components making the waste hazardous</u></td><td><u>Concentrations (%):</u></td></tr><tr><td>Transfluthrin</td><td>2.18</td></tr></table> <p>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</p>	<u>Components making the waste hazardous</u>	<u>Concentrations (%):</u>	Transfluthrin	2.18
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Transfluthrin	2.18				

MOTH KILLER HANGING UNIT

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)			
UN No.	UN3077		RIS CODE
TRANSPORT CATEGORY	3	UK HAZCHEM EAC	2Z
ADR 2009 (INTERNATIONAL ROAD)	CLASS 9	ADR HIN	90
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID (contains transluthrin)		
LIMITED QUANTITY EXCEPTIONS	Maximum quantity per inner receptacle is 6kg. Maximum quantity per outer package is 30kg. Combination packs only.		
SPECIAL REQUIREMENTS	Not required. PACKING GROUP III		
IMDG 2008 (SEA)	CLASS 9	IMDG EMS	Not required.
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID (contains transluthrin)		
LIMITED QUANTITY EXCEPTIONS	Maximum quantity per inner receptacle is 5kg. 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	S2 Keep out of the reach of children. S35 This material and its container must be disposed of in a safe way.
Additional Label Phrases	To avoid risks to man and the environment, comply with the instructions for use.
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	2 plastic units each containing a fabric pad impregnated with an insecticide in a cardboard outer.
Revisions	Changes have been made to the content of boxes 1, 2, 3, 4, 6, 11, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R38 : Irritating to skin. R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 : Harmful: may cause lung damage if swallowed.

MOTH KILLER HANGING UNIT

SDS No. 932

Issue : 02

09 : 12 : 2009

Page 4 of 4

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

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