

Safety Data Sheet

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Issue : 01 08 : 12 : 2004

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
PRODUCT NAME	MOTH KILLER STRIPS
DESCRIPTION	A folded paper strip impregnated with an odourless insecticide. The product kills moths, their larvae and eggs. The strips can be used in most home locations e.g. in wardrobes, drawers, chests and suitcases, protecting clothes and bedding for up to six months. One strip will treat a space of approximately one cubic metre.
COMPANY	Rentokil Initial Supplies, Head office: Felcourt, East Grinstead, West Sussex. RH19 2JY. United Kingdom. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

2 HAZARD IDENTIFICATION	
CLASSIFICATION AND DANGER SYMBOL (SUPPLY – USE) : IN COMPLIANCE WITH EC DIRECTIVE 1999/45.	
Dangerous for the Environment	R52,53 Harmful 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):	
No significant adverse physical or chemical effects expected.	
Contact with this product is unlikely to cause adverse human health effects. However, prolonged skin contact with the paper 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
0.484	Transfluthrin* / 2,3,5,6-tetrafluorobenzyl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate EINECS : 405-060-5 CAS : 118712-89-3	X _i : R38 N : R50,53

4 FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2)	
INHALATION	Unlikely route of exposure. However, 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. Telephone +44 (0) 870 600 6266 - 24 hours.

5 FIRE FIGHTING MEASURES	
FIRE EXTINGUISHER TYPE	Use foam, carbon dioxide, dry-chemical or water 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	DO NOT contaminate watercourses or ground.
CLEAN-UP PROCEDURE (See also box 13)	Collect up spilt material and transfer to a suitable container for re-use or subsequent disposal.

7 HANDLING AND STORAGE	
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 (SEE ALSO BOX 7)	
EXPOSURE STANDARD - DIRECTIVE EC/98/24 (1ST IOELV DIRECTIVE)	Not assigned.
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):
EYE PROTECTION	None necessary under normal working conditions.
HAND PROTECTION	None necessary under normal working conditions.
SKIN PROTECTION	None necessary under normal working conditions.
BREATHING PROTECTION	None necessary under normal working conditions.
ENVIRONMENTAL EXPOSURE CONTROLS	Product should be used in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOUR	A folded paper strip impregnated with an odourless insecticide.		
pH	Not applicable.	SOLUBILITY IN WATER	Insoluble
DENSITY	0.8 g/cm ³ at 20°C	SOLUBILITY IN FAT	Soluble.
FLASH POINT	Not applicable.	EXPLOSIVE PROPERTIES	None.
FLAMMABILITY	Non-flammable.	COMBUSTIBILITY	Combustible.
AUTOFLAMMABILITY	Not applicable.	OXIDISING PROPERTIES	Not determined.
BOILING POINT/RANGE	Not applicable.	MELTING POINT/RANGE	Not determined.
VAPOUR DENSITY	Not applicable.	EVAPORATION RATE	Not applicable.
VAPOUR PRESSURE	Not applicable.	PARTITION COEFFICIENT	Not applicable.
VISCOSITY	Not applicable.	OTHER DATA	None known.

MOTH KILLER STRIPS

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
MATERIALS TO AVOID	None known.
HAZARDOUS BREAKDOWN PRODUCTS	None known.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

ACUTE TOXICITY	ORAL	For transfluthrin : LD ₅₀ (rat) : >5000 mg/kg.
	INHALATION	For transfluthrin : LC ₅₀ (rat) (4hr) : 513 mg/m ³ .
	DERMAL	For transfluthrin : LD ₅₀ (rat) (24h) : 5000 mg/kg.
CORROSIVITY/IRRITATION	SKIN	May be irritating to skin.
	EYES	Not expected to be irritating to eyes.
	RESPIRATORY TRACT	Not expected to be irritating to respiratory tract.
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	The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
ECOTOXICITY DATA	For transfluthrin : LC ₅₀ (Fish) (Rainbow trout) (96h) : 0.7 µg/L For transfluthrin : LC ₅₀ (Daphnia) (48h) : 0.0017 mg/L For transfluthrin : EC ₅₀ (Algae) (<i>Scenedesmus subspaticus</i>)(96hr) : >0.1 mg/L
MOBILITY (of appropriate constituents)	Not determined.
PERSISTENCE AND DEGRADABILITY (of appropriate constituents)	Not determined.
BIOACCUMULATIVE POTENTIAL (of appropriate constituents)	Not determined.
ENVIRONMENTAL CONSIDERATIONS	DO NOT contaminate watercourses or ground. This product is classified as harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Thus, every care must be taken to avoid its release and the subsequent contamination of the aquatic environment.
OTHER ADVERSE EFFECTS	None.

13 DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE	Waste should be disposed of in accordance with local, State or National requirements.				
DISPOSAL OF CONTAINERS:	Empty containers should be disposed of in accordance with local, State or National requirements.				
CLASSIFICATION OF INGREDIENTS. (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC)	Hazard Code: H14 - Ecotoxic <table><tr><td><u>Components making the waste hazardous</u></td><td><u>Concentrations (%)</u></td></tr><tr><td>Transfluthrin</td><td>0.484</td></tr></table>	<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u>	Transfluthrin	0.484
<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u>				
Transfluthrin	0.484				
NOTE FOR DISPOSAL	Disposal should be in accordance with local, State or National requirements. 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	2X	FA 106
ADR 2003 (INTERNATIONAL ROAD) PROPER SHIPPING NAME	CLASS 9 ADR HIN 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains transluthrin)			LABELS 
LIMITED QUANTITY EXCEPTIONS	Maximum quantity per inner receptacle is 6 kg. Maximum quantity per outer package is 24 kg. Combination packs only.			
SPECIAL REQUIREMENTS	Not required. PACKING GROUP III			
IMDG 2002 (SEA) PROPER SHIPPING NAME	CLASS 9 IMDG EMS F-A, S-F ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains transluthrin)			
LIMITED QUANTITY EXCEPTIONS	Maximum quantity per inner receptacle is 5 kg. Maximum quantity per outer package is 30 kg. 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))

HAZARD SYMBOLS	Not required.
INDICATION OF DANGER	Not required.
RISK PHRASES	Not required. (This product is classified as R52/53, however, this information is not required on the label - CHIP3, Reg. 8(10)).
SAFETY PHRASES LEGISLATION	Not required. Labelling is according to UK regulations implementing the EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with local legislation. Specific legislation used within this Safety Data Sheet is listed in the above boxes.

16 OTHER INFORMATION and indication of revisions

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.

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

Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times.

REVISIONS	Not applicable.
RISK PHRASE TEXT (from box 3)	R38 : Irritating to skin. R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

MOTH KILLER STRIPS

SDS No. 848

Issue : 01

08 : 12 : 2004

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.

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Telephone: +44 (0) 1342 833022 Fax: +44 (0) 1342 326229 Web: www.ri-research.com