

# Safety Data Sheet

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**REVISION (see box 16)**

Issue : 02 22 : 11 : 2007

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
<b>Product Name</b>	<b>MOTH KILLER STRIPS</b>	<b>HSE 7801</b>
<b>Description</b>	A folded paper strip impregnated with an odourless insecticide. For amateur use against cloth damaging moths and cloth damaging beetles, indoors in domestic premises and in contained areas such as cupboards and boxes, where clothes, bedding, carpets and curtains are stored.	
<b>Company</b>	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050 Emergency line: 01342 833022 E-mail: <a href="mailto:eurotech.techinfo@rentokil-initial.com">eurotech.techinfo@rentokil-initial.com</a>	

2 HAZARD IDENTIFICATION		
<b>Classification (Supply – Use) : In compliance with EC Directive 1999/45.</b>		
<b>N</b>	<b>Dangerous for the environment</b>	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):</b>		
Contact with this product is unlikely to cause adverse human health effects. However, prolonged skin contact with the paper 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
0.47	Transfluthrin* / 2,3,5,6-tetrafluorobenzyl (1 R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate  EINECS : 405-060-5 CAS : 118712-89-3	X <sub>i</sub> : R38 N : R50,53

**MOTH KILLER STRIPS**

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

<b>Inhalation</b>	This route of exposure is not anticipated.
<b>Eye Contact</b>	This route of exposure is not anticipated.
<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.

#### 5 FIRE FIGHTING MEASURES

<b>Fire Extinguisher Type</b>	Use carbon dioxide, foam, dry chemical or water extinguishers.
<b>Special Fire-Fighting Procedures</b>	Wear suitable personal protective equipment.
<b>Special Exposure Hazards</b>	None known.

#### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions (See also box 8)</b>	Wear suitable personal protective equipment.
<b>Environmental Precautions</b>	This product is classified as dangerous for the environment. Keep away from drains, surface and ground water, and soil.
<b>Clean-up Procedure (See also box 13)</b>	Transfer to a suitable container for subsequent disposal.

#### 7 HANDLING AND STORAGE (SEE ALSO BOX 8)

<b>Handling</b>	Wash hands thoroughly with soap and water after handling. Avoid contact with skin and eyes.
<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.

#### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standard - Directive EC/98/24 (1<sup>st</sup> IOELV Directive)</b>	Not assigned.
<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.

#### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odour</b>	A folded paper strip impregnated with an odourless, colourless to pale yellow insecticide.		
<b>pH</b>	5 - 8 at 1%	<b>Solubility in Water</b>	Insoluble.
<b>Density</b>	0.821 g/cm <sup>3</sup> at 20°C	<b>Solubility in Other Solvents</b>	Soluble.
<b>Flash Point</b>	>65°C (closed cup)	<b>Explosive Properties</b>	None known.
<b>Flammability</b>	Non-flammable.	<b>Combustibility</b>	Non-combustible.
<b>Boiling Point/Range</b>	100°C	<b>Oxidising Properties</b>	None known.
<b>Vapour Density</b>	Not applicable.	<b>Evaporation Rate</b>	Not applicable.
<b>Vapour Pressure</b>	Not applicable.	<b>Partition Coefficient</b>	Not applicable.
<b>Viscosity</b>	Not applicable.	<b>Other Data</b>	None known.

### MOTH KILLER STRIPS

## 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.
<b>Hazardous Breakdown Products</b>	None known.

## 11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

<b>Acute Toxicity</b>	Oral Inhalation Dermal	For transfluthrin: LD <sub>50</sub> (rat) : >5000 mg/kg For transfluthrin: LC <sub>50</sub> (rat) (4hr) : >513 mg/m <sup>3</sup> For transfluthrin: LD <sub>50</sub> (rat) (24hr) : >5000 mg/kg
<b>Corrosivity/Irritation</b>	Skin Eyes Respiratory tract	May be irritating to skin. Not expected to be irritating to eyes. Not expected to be harmful to respiratory tract.
<b>Sensitisation</b>	Skin Respiratory	Contains no known skin sensitisers. 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 Development	Product does not contain any components known to have effects on fertility. 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 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.
<b>Ecotoxicity Data</b>	For transfluthrin: LC <sub>50</sub> (Rainbow trout) (96hr) : 0.7 µg/L LC <sub>50</sub> ( <i>Daphnia</i> ) (48hr) : 0.0017 mg/L EC <sub>50</sub> ( <i>Scenedesmus subspicatus</i> ) (96hr) : >0.1 mg/L
<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 waste washings or waste product to sewers, drains or watercourses.  This product is for amateur use only and can therefore be disposed of as normal household waste. However, if used in a place of work, ensure this product is disposed of as hazardous waste, in accordance with the appropriate regulations.	
<b>Classification</b> (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code</u> : H14 - Ecotoxic <u>Components making the waste hazardous</u> Transfluthrin	<u>Concentrations (%)</u> : 0.47
<b>Note for Disposal</b>	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.	

### MOTH KILLER STRIPS

<b>14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)</b>				
<b>UN No.</b>	UN3077	<b>Tremcard Reference No.</b>	CEFIC TEC (R)- 90GM7-III	<b>RIS Code</b>
<b>Transport Category</b>	3	<b>UK Hazchem EAC</b>	2X	FA106
<b>ADR 2007 (International Road)</b>	<b>Class 9</b>	<b>ADR HIN</b>	90	<b>Labels</b>
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains transluthrin).			
<b>Limited Quantity Exemptions</b>	Maximum quantity per inner receptacle is 6 kg. Maximum quantity per outer package is 24 kg. Combination packs only.			
<b>Special Requirements</b>	Not required. <b>Packing Group III</b>			
<b>IMDG 2006 (Sea)</b>	<b>Class 9</b>	<b>IMDG EMS</b>	F-A, S-F	
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains transluthrin).			
<b>Limited Quantity Exemptions</b>	Maximum quantity per inner receptacle is 5 kg. Maximum quantity per outer package is 30 kg. Combination packs only.			
<b>Special Requirements</b>	Not required. <b>Packing Group III</b>			
<b>Note for Transport</b>	Local, State or National requirements may apply to the carriage of this product.			

<b>15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))</b>	
<b>Safety Phrases</b>	S2 : Keep out of the reach of children. S35 : This material and its container must be disposed of in a safe way.
<b>Additional Label Phrases</b>	To avoid risks to man and the environment, comply with the instructions for use.
<b>Legislation</b>	<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>

<b>16 Other Information and indication of revisions</b>	
<b>Packaging Information</b>	2 folded paper strips, impregnated with insecticide and wrapped in card with a cellophane outer package.
<b>Revisions</b>	Changes have been made to the content of boxes 01, 02, 03, 04, 06, 08, 09, 12, 13, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.
<b>Risk phrase text</b> (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

## MOTH KILLER STRIPS

SDS No. 848

Issue : 02

22 : 11 : 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.

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