

Products

Safety Data Sheet

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REVISION (see box 16)

Issue : 01 21 : 07 : 2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	PLUG IN FLY CONTROL
Description	An electrical plug in device that delivers a vapourised insecticide. For amateur use against flies indoors in domestic premises.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050 Emergency line: 01342 833022.

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
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):	
Not expected to cause significant adverse human health effects. However, may cause eye 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
1.33	Prallethrin* / (R,S)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl EINECS : 245-387-9 CAS : 23031-36-9	T : R23 : R22 N : R50,53
>50.0 ≤100.0	Hydrocarbon solvent EINECS : Not applicable CAS : Not applicable	Not classified
≤1.0	Perfume EINECS : Not applicable CAS : Not applicable	X _i : R43 : R52,53

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4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)	
Inhalation	Vapours from product are designed to be inhaled, no adverse effects are expected.
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	None.

6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions (See also box 8)	Wear suitable personal protective equipment.
Environmental Precautions	This product is classified as dangerous to the environment. 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	Never use unit without a bottle or with an empty bottle. The bottle may become slightly warm while in use. Do not touch the unit with wet hands or metal objects.
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	None necessary during normal handling and use.
Hand Protection	None necessary during normal handling and use.
Skin Protection	None necessary during normal handling and use.
Breathing Protection	None necessary during normal handling and use.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A liquid with a characteristic odour.		
pH	Not determined.	Solubility in Water	Immiscible.
Density	Not determined.	Solubility in Other Solvents	Not determined.
Flash Point	65°C (hydrocarbon solvent)	Explosive Properties	Not determined.
Flammability	Non-flammable.	Combustibility	Non-combustible.
Boiling Point/Range	Starts at ca. 180°C (hydrocarbon solvent)	Oxidising Properties	None.
Vapour Density	Not determined.	Evaporation Rate	Not determined.
Vapour Pressure	Not determined.	Partition Coefficient	Not applicable.
Viscosity	Not determined.	Other Data	None known.

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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 prallethrin : LD ₅₀ (male rat) : 667 mg/kg, LD ₅₀ (female rat) : 417 mg/kg For hydrocarbon solvent : LD ₅₀ (rat) : 5000 mg/kg
	Inhalation	For prallethrin : LC ₅₀ (male rat) : 855 mg/m ³ , LC ₅₀ (female rat) : 658 mg/m ³ For hydrocarbon solvent : LD ₅₀ (rat) : >1369 ppm (8h) due to the presence of C10 >432 ppm (8h) due to the presence of C11 >142 ppm (8h) due to the presence of C12 Variation occurs because of different carbon chain lengths in the hydrocarbon solvent.
	Dermal	For prallethrin : LD ₅₀ (rat) : 2000 mg/kg For hydrocarbon solvent : LD ₅₀ (rabbit) : 2000 mg/kg
Corrosivity/Irritation	Skin	Not determined.
	Eyes	May cause eye irritation.
	Respiratory tract	No irritation to respiratory tract expected.
Sensitisation	Skin	This product does not contain any substances that are classified as sensitising in contact with skin above the lower limits of concentration as specified in EC Directive 1999/45.
	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 harmful to aquatic organisms, 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 prallethrin : LC ₅₀ (<i>Oncorhynchus mykiss</i>): 12 µg/L LC ₅₀ (<i>Lepomis macrochirus</i>): 22 µg/L EC ₅₀ (<i>Daphnia magna</i>): 6.2 µg/L
Mobility	During use the product will evaporate to the atmosphere.
Persistence and Degradability	Not determined.
Bioaccumulative Potential	Not determined.
Other Adverse Effects	Product is classified as harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment and will also harm beneficial insects such as honeybees.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	This product is for amateur use only and can therefore be disposed of as normal household waste. Hazard Code: H14 - Ecotoxic.				
Note for Disposal	<table border="0"><tr><td><u>Components making the waste hazardous</u></td><td><u>Concentrations (%):</u></td></tr><tr><td>Prallethrin</td><td>1.33</td></tr></table> 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.	<u>Components making the waste hazardous</u>	<u>Concentrations (%):</u>	Prallethrin	1.33
<u>Components making the waste hazardous</u>	<u>Concentrations (%):</u>				
Prallethrin	1.33				

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	Not classified.	Tremcard Reference No.	Not required.	RIS Code
Transport Category	Not required.	UK Hazchem EAC	Not required.	NOT APPLICABLE
ADR 2005 (International Road)	Class Not required.	ADR HIN	Not required.	Labels
Proper Shipping Name	Not required.			
Limited Quantity Exemptions	Not required.			Not required.
Special Requirements	Not required.	Packing Group	Not required.	
IMDG 2004 (Sea)	Class Not required.	IMDG EMS	Not required.	
Proper Shipping Name	Not required.			
Limited Quantity Exemptions	Not required.			
Special Requirements	Not required.	Packing Group	Not required.	
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	S29 Do not empty into drains. 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	A 29g bottle supplied with an electrical plug in unit.
Revisions	Not applicable.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R22 : Harmful if swallowed. R23 : Toxic by inhalation. R43 : May cause sensitisation by skin contact. R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52,53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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