

Safety Data Sheet

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REVISION (see box 16)

Issue : 05 24 : 10 : 2005

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	INSECTABAN
Description	An insecticide for professional use. A colourless liquid with a solvent odour.
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 (Supply – Use) : In compliance with EC Directive 1999/45.			
X_n	Harmful	R65	May cause lung damage if swallowed.
X_i	Irritant	R38	Irritating to skin.
N	Dangerous for the environment	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	Flammable	R10	Flammable
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):			
Avoid contact with strong oxidising agents, and extremes of temperature e.g. below 0°C and above 40°C.			
Inhalation may lead to throat irritation, nausea and vomiting. Ingestion may lead to nausea and vomiting. Inhalation of vapour whilst vomiting or swallowing may cause lung damage. Irritating to skin.			
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
0.23	Permethrin* / 3-phenoxybenzyl (1RS, 3RS, 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate EINECS : 258-067-9 CAS : 52645-53-1	X _n : R20/22 X _i : R43 N : R50,53
>50.0 ≤100.0	Isoparaffin* / naphtha (petroleum), heavy alkylate EINECS : 265-067-2 CAS : 64741-65-7	X _n : R65

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4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)	
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.
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 self-contained breathing apparatus and 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 for the environment. Keep away from drains, surface and ground water.
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 Storage	No specific handling requirements. 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	Suitable eye protection such as goggles.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	Do not breathe fog or spray mist. Otherwise wear suitable respiratory protective equipment and eye protection. For the UK, see HSE Guidance Booklet HS(G) 53: “The Selection, Use and Maintenance of Respiratory Protective Equipment – A Practical Guide”
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A colourless liquid with a solvent odour.		
pH	Not applicable.	Solubility in Water	Immiscible.
Specific Gravity	0.8 at 20°C	Solubility in Fat	Miscible.
Flash Point	55-60°C	Explosive Properties	Lower Explosive Limit 0.6 %, Upper Explosive Limit 6.0% in air (isoparaffin).
Flammability	Flammable.	Combustibility	Combustible.
Boiling Point/Range	Starts at ca. 172°C (isoparaffin).	Oxidising Properties	Not determined.
Vapour Density	Not determined.	Evaporation Rate	0.14 at 20°C (butyl acetate = 1.0) (isoparaffin).
Vapour Pressure	0.2 kPa (isoparaffin).	Partition Coefficient	Not applicable.
Viscosity	No available data.	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	Avoid contact with strong oxidising agents.
Hazardous Breakdown Products	None known.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)


Acute Toxicity	Oral	LD ₅₀ (rat): > 2000 mg/kg. Ingestion may cause nausea and vomiting. Inhalation of the vapour whilst vomiting or swallowing may cause lung damage.
	Inhalation	LC ₅₀ (rat) (4h) : >20.25 mg/L Inhalation may lead to throat irritation, nausea and vomiting.
	Dermal	LD ₅₀ (rabbit): >2000 mg/kg.
Corrosivity/Irritation	Skin	Irritating to skin.
	Eyes	Not irritating to eyes.
	Respiratory tract	May be irritating to the respiratory tract.
Sensitisation	Skin	Test data shows that this product is not sensitising to skin. However, this product contains less than 1% skin sensitisers in the form of permethrin.
	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 permethrin: LC ₅₀ (Brown trout) (96h) : 0.0054 mg/L LC ₅₀ (<i>Poecilia reticulata</i>) (96h) : 0.0076 mg/L EC ₅₀ (<i>Daphnia magna</i>) (48h) : 0.00017 mg/L
Mobility	Not determined.
Persistence and Degradability	The isoparaffin solvent in this product shows no evidence of biodegradability.
Bioaccumulative Potential	The isoparaffin solvent in this product has high bioaccumulation potential.
Other Adverse Effects	None.

13 DISPOSAL CONSIDERATIONS

Disposal of Waste / Containers	This product is dangerous for the environment. Do not discharge waste washings or waste product to sewers, drains or watercourses.
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	<u>Hazard Code</u> : H3B – Flammable, H5 – Harmful, H14 – Ecotoxic.
Note for Disposal	<u>Components making the waste hazardous Concentrations (%)</u> : Permethrin 0.23 Isoparaffin >50 ≤100 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.	UN1993	Tremcard Reference No.	CEFIC TEC (R)- 30GF1-III	RIS Code
Transport Category	3	UK Hazchem EAC	3Y	PSI 25
ADR 2005 (International Road)	CLASS 3	ADR HIN	30	Labels
Proper Shipping Name	FLAMMABLE LIQUID N.O.S (contains turpentine substitute).			Pack Size – 2 x 5 litres 
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30 kg. Combination packs only.			
Special Requirements	Not required. Packing Group III			
IMDG 2004 (Sea)	Class 3	IMDG EMS	F-E, S-E	
Proper Shipping Name	FLAMMABLE LIQUID N.O.S (contains turpentine substitute).			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. 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))	
Safety Phrases	S23 Do not breathe fog or spray mist. S51 Use only in well-ventilated areas. S60 This material and its container must be disposed of as hazardous waste. S62 If swallowed, do not induce vomiting, seek medical advice and show this container or label.
Additional Label Phrases	Contains permethrin. May produce an allergic reaction. To avoid risks to man and the environment, comply with instructions for use.
Legislation	Labelling is according to 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 sought where appropriate.

16 Other Information and indication of revisions	
Packaging Information	A UN approved, 5 litre, plastic container with a screw top lid. Supplied in packs of two.
Revisions	Changes have been made to the content of boxes 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 4.
Risk phrase text (from box 3) (From box 3 - These refer to the ingredients only. See box 11 for the product risk phrases)	R20/22 : Harmful by inhalation and if swallowed. R43 : May cause sensitisation by skin contact. 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.

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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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