

Products

Safety Data Sheet

DATE : 01 : 04 : 2004
 ISSUE No. : 04


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REVISION (see box 16)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME	INSECTABAN
DESCRIPTION	A clear liquid with a slight characteristic solvent-type odour. For professional use as a public hygiene insecticide in industrial and commercial premises such as food factories, hotels and hospitals and domestic premises. Used for the control of insects such as flies, stored-product insects, fleas and wasps.
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.
X_n Harmful	R65	Harmful: may cause lung damage if swallowed.
X_i Irritant	R38	Irritating to skin
Dangerous for the Environment	R52/53	Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Flammable	R10	Flammable
		 HARMFUL
ADVERSE PHYSICO-CHEMICAL, 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 cause nausea and vomiting. Inhalation of vapour whilst vomiting or swallowing may cause lung damage. Irritating to eyes and skin.		
Adverse effects on the environment are unlikely, provided that the product is used as intended.		

3 COMPOSITION / INFORMATION ON INGREDIENTS

% w/w	COMMON*/CHEMICAL NAME, ELINCS/EINECS AND CAS 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 - Harmful : R22 : Harmful if swallowed N - Dangerous for the Environment : R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. : R57 : Toxic to bees
> 50 ≤ 100	Isoparaffin EINECS : 265-067-2 CAS : 64741-65-7	X _n - Harmful : R65 : Harmful: may cause lung damage if swallowed. : R66 : Repeated exposure may cause skin dryness or cracking.

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. Telephone +44 (0) 870 600 6266 - 24 hours.

5 FIRE FIGHTING MEASURES

FIRE EXTINGUISHER TYPE	Use foam, water-fog or water-spray. DO NOT use water-jets.
SPECIAL FIRE-FIGHTING PROCEDURES	Wear self contained breathing apparatus and suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	None known.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS (See also box 8)	Wear suitable personal protective equipment.
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. DO NOT contaminate watercourses or ground.

7 HANDLING AND STORAGE

HANDLING	Wear suitable protective clothing (coveralls), synthetic rubber/PVC gloves and eye protection when using. Wash splashes from skin or eyes immediately. Wash hands and exposed skin before meals and after use. Ensure adequate ventilation when applying. Ventilate treated areas thoroughly after application.
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 (1 st 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.
EYE PROTECTION	Wear suitable eye protection such as a face visor or goggles when applying.
HAND PROTECTION	Wear suitable hand protection such as synthetic rubber/PVC gloves.
SKIN PROTECTION	Wear 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	Product should be used in accordance with instructions given on the product label and any spillage should be dealt with as a priority in order that contamination of watercourses or ground is avoided.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	A clear liquid with a slight characteristic solvent type odour.		
pH	Not applicable.	SOLUBILITY IN WATER	Immiscible.
SPECIFIC GRAVITY	0.76 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.	BOILING POINT/RANGE	Starts at 187°C (Isoparaffin).
AUTOFLAMMABILITY	405°C (Isoparaffin).	MELTING POINT/RANGE	Not applicable.
VAPOUR DENSITY	4.5 (Isoparaffin).	EVAPORATION RATE	Not applicable.
VAPOUR PRESSURE	1.1 mmHg at 20°C (Isoparaffin).	PARTITION COEFFICIENT	Not applicable.
VISCOSITY	1.85 cSt at 25°C (Isoparaffin).	OXIDISING PROPERTIES	None known.
OTHER DATA	None known.		

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	May be irritating to eyes.
	RESPIRATORY TRACT	May be irritating to the respiratory tract.
SENSITISATION	SKIN	Not sensitising to skin.
	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 be toxic to the reproductive system, and having effects on fertility.
	DEVELOPMENT	Product does not contain any components known to be toxic to the reproductive system, and having effects on development
OTHER INFORMATION		No specific antidote 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 Permethrin: LC ₅₀ (brown trout) (96h) : 0.0054 mg/l LC ₅₀ (<i>Poecillia reticulata</i>) (96h) : 0.0076 mg/l EC ₅₀ (<i>Daphnia magna</i>) (48h) : 0.00017 mg/l
MOBILITY (OF APPROPRIATE CONSTITUENTS)	The isoparaffin in this product is insoluble in water. If released into water, it will float. If released into soil, the isoparaffin in this product will evaporate at a moderate rate.
PERSISTENCE AND DEGRADABILITY (OF APPROPRIATE CONSTITUENTS)	For Permethrin: >95% biodegradability in aqueous media: half life is ca. 5 days.
BIOACCUMULATIVE POTENTIAL (OF APPROPRIATE CONSTITUENTS)	No relevant data available.
ENVIRONMENTAL CONSIDERATIONS	DO NOT contaminate watercourses or ground. The Permethrin in this product is classified as very toxic to aquatic organisms, 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 known.


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: H5 – Harmful, H3B – Flammable.								
	<table border="0"> <tr> <td></td> <td><u>Components making the waste hazardous</u></td> <td><u>Concentrations (%)</u>:</td> </tr> <tr> <td></td> <td>Permethrin</td> <td>0.23</td> </tr> <tr> <td></td> <td>Isoparaffin</td> <td>>50 ≤100</td> </tr> </table>		<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u> :		Permethrin	0.23		Isoparaffin
	<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u> :							
	Permethrin	0.23							
	Isoparaffin	>50 ≤100							
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: 0845 9333111.								

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)

UN No.	UN1993	TREMCARD REFERENCE No.	CEFIC TEC (R)- 30GF1-III	
UK CDGCPL2 (UK ROAD)	CLASS 3	UK HAZCHEM EAC	3Y	
UK CDGROAD TRANSPORT CATEGORY	3		RIS Code: PSI25	
PROPER SHIPPING NAME	FLAMMABLE LIQUID N.O.S (contains turpentine substitute).			
LIMITED QUANTITY EXCEPTIONS	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30 kg.			
SPECIAL REQUIREMENTS	Not required.		PACKING GROUP III	
ADR 2003 (INTERNATIONAL ROAD)	CLASS 3	ADR HIN	30	
PROPER SHIPPING NAME	FLAMMABLE LIQUID N.O.S (contains turpentine substitute).			
LIMITED QUANTITY EXCEPTIONS	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 45 litres. Combination packs only.			
SPECIAL REQUIREMENTS	Not required.		PACKING GROUP III	
IMDG 2002 (SEA)	CLASS 3	IMDG EMS	F-E, S-E	
PROPER SHIPPING NAME	FLAMMABLE LIQUID N.O.S (contains turpentine substitute).			
LIMITED QUANTITY EXCEPTIONS	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))

HAZARD SYMBOLS	
INDICATION OF DANGER	X_n - HARMFUL
RISK PHRASES	R65 Harmful: may cause lung damage if swallowed. R38 Irritating to skin. R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. R10 Flammable.
SAFETY PHRASES	S23 Do not breathe fog or spray mist. S51 Use only in well-ventilated areas. S62 If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. S60 This material and its container must be disposed of as hazardous waste.
LEGISLATION	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.

Changes have been made to the content of boxes 1, 2, 3, 4, 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 03.

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.