

DATE : 01 : 03 : 2000


REVISION (see box 16)

ISSUE NO : 02

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 UK Ltd, Environmental Health Products, Felcourt, East Grinstead, West Sussex. RH19 2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

2. HAZARDS IDENTIFICATION

CLASSIFICATION (SUPPLY - Use): UK COPR (Control of Pesticides Regulations, 1986) / EC Directive 78/631.	DANGER SYMBOL (UK COPR) : (Black on orange background)
X_n - HARMFUL : Harmful : may cause lung damage if swallowed. FLAMMABLE : Flammable.	
SYMPTOMS AND EFFECTS (see also box 11) : Inhalation may lead to throat irritation, nausea and vomiting. Ingestion may cause nausea and vomiting. Inhalation of the vapour whilst vomiting or swallowing may cause lung damage. May be irritating to skin and eyes.	

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME AND CAS No OF INGREDIENT(S)
0.23	Permethrin* / 3-phenoxybenxyl (1RS, 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate / [52645-53-1]
> 50 ≤ 100	Isoparaffin / [64741-65-7]

4. FIRST-AID MEASURES (see also "symptoms and effects" in box 2)

INHALATION (Breathing)	: 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 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	: For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES	: 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 (see also box 8)

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 reach of children and away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)

OCCUPATIONAL EXPOSURE LIMITS	: Not assigned under EH40/99.
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. Suitable and approved personal protective equipment and clothing may include the following item(s):
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: "Respiratory Protective Equipment - a practical guide for users".

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	: A clear liquid with a slight characteristic solvent-type odour.		
FLASH POINT	: 55°C - 60°C.	SOLUBILITY IN WATER	: Immiscible.
FLAMMABILITY	: Flammable.	SOLUBILITY IN FAT	: Miscible.
AUTOFLAMMABILITY	: 405°C (isoparaffin).	PARTITION COEFFICIENT	: Not applicable.
VAPOUR PRESSURE	: 15.0 Pa at 20°C (isoparaffin).	BOILING POINT/RANGE	: Starts at ca. 187°C (isoparaffin).
SPECIFIC GRAVITY	: 0.76 at 20°C.	MELTING POINT/RANGE	: Not applicable.
		pH	: Not applicable.
OXIDISING PROPERTIES	: None known.		
EXPLOSIVE PROPERTIES	: Lower Explosive Limit 1.1%; Upper Explosive Limit 6.5% in air (isoparaffin).		
OTHER DATA	: None known.		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	: Avoid extremes of temperature, eg. 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)

INHALATION	: Inhalation may lead to throat irritation, nausea and vomiting.
INGESTION	: LD ₅₀ oral (rat) : For a similar product : > 2000 mg/kg. Ingestion may cause nausea and vomiting. Inhalation of the vapour whilst vomiting or swallowing may cause lung damage.
SKIN CONTACT	: LD ₅₀ dermal (rabbit) : For a similar product : > 2000 mg/kg. May be irritating to skin.
EYE CONTACT	: May be irritating to eyes.
CHRONIC EFFECTS (DUE TO LONG/REPEATED EXPOSURE)	: Prolonged skin contact may cause irritation and redness.

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	: DO NOT contaminate watercourses or ground.
ECOTOXICITY DATA	: The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
ENVIRONMENTAL CONSIDERATIONS	: This product is considered to be extremely dangerous to fish and other aquatic life. Thus, every care must be taken to avoid its release and the subsequent contamination of the aquatic environment.

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.
UK SPECIAL WASTE REGULATIONS, 1996	: <u>Hazard Code</u> : H5 - Harmful, H3B - Flammable. <u>Components making the waste special and their concentrations</u> : % w/w 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 : 0645 333111.

14. TRANSPORT INFORMATION (International unless otherwise indicated)

<u>UN NUMBER</u> : 1993	<u>UK HAZCHEM EAC</u> : 3Y	<u>ADR HIN</u> : 30	<u>ADR SIN</u> : 1993
<u>UK CDGRoad Transport Category</u> : 3	<u>Tremcard Reference No.</u> : CEFIC TEC (R)- 30G35	<u>IMDG EMS</u> : 3-07	<u>IMDG MFAG Table No.</u> : Sub-section 4.2
<u>UK CDGCPL2 CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Class 3, Packing Group III, Flammable Liquid, N.O.S. (contains isoparaffin). Maximum quantity per receptacle is 5 litres. Maximum quantity per outer is 30 kg. Not required. FLAMMABLE LIQUID		
<u>IMDG (SEA) CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Class 3, Packing Group III, Flammable Liquid, N.O.S. (contains isoparaffin). Maximum quantity per inner is 5 litres. Maximum quantity per outer is 30 kg. Combination packs only. Not required. FLAMMABLE LIQUID		
<u>ADR (ROAD) CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Class 3, item 31°(c) Maximum quantity per inner is 5 litres. Maximum quantity per outer is 45 litres. Combination packs only. Not required. FLAMMABLE LIQUID		

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
X_n - HARMFUL : Harmful : may cause lung damage if swallowed. FLAMMABLE : Flammable.	
STATUTORY PHRASES : For use only by professional operators. Flammable. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Wear suitable protective clothing (coveralls), synthetic rubber/PVC gloves and eye protection when using. Do not breathe fog or spray mist. Otherwise wear respiratory protective equipment and eye protection. (see HSE guidance booklet HS(G) 53 : "Respiratory Protective Equipment - a practical guide for users") Avoid excessive contamination of coveralls and launder regularly. Cover water storage tanks before application. Unprotected persons and animals should be kept away from treated areas until surfaces are dry. Extremely dangerous to fish and other aquatic life. Remove or cover fish tanks and bowls before application. Do not contaminate watercourses or ground. Do not contaminate foodstuffs, eating utensils or food contact surfaces. This material and its container must be disposed of in a safe way. READ ALL PRECAUTIONS BEFORE USE.	
LEGISLATION : This product is approved, in the UK, under the Control of Pesticides Regulations (COPR) 1986, for use as directed. HSE 6216. This product is classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.	

16. OTHER INFORMATION and indication of revisions

The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 1999. Changes have been made to the content of boxes 1, 2, 3, 6, 8, 9, 10, 11, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.
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