

Safety Data Sheet

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REVISION (see box 16)

Issue : 04 16: 12 : 2008

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	WOODWORM FLUID B
Description	A wood preservative for use by professional operators. The product is a colourless liquid with a mild odour.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1293 858 000 E-mail: sds@rentokil.com

2 HAZARD IDENTIFICATION			
Classification (Supply – Use) : In compliance with EC Directive 1999/45.			
X_n	Harmful	R65	Harmful: May cause lung damage if swallowed.
N	Dangerous for the environment	R50,53	Very toxic to aquatic organisms, may cause long-term adverse effects in the environment.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):			
If swallowed, this product may cause lung damage and if in contact with skin, an allergic reaction may result.			
This product is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.			

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)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopanecarboxylate. EINECS : 258-067-9 CAS : 52645-53-1	X _n : R20/22 X _i : R43 N : R50,53
>50.0 ≤100.0	Aliphatic hydrocarbon* / naphtha (petroleum) 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, water spray or fog, or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment. Or state other.
Special Exposure Hazards	Combustion or thermal decomposition may evolve toxic or irritant vapours.

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, 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	Do not use at elevated temperatures.
Storage	Avoid contact with skin. Wash hands and exposed skin before eating, drinking or smoking and after use. 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	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Suitable skin protection such as coveralls.
Breathing Protection	Do not breathe vapour, otherwise wear suitable respiratory protection.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	Clear colourless liquid with a mild characteristic odour.		
pH	Not determined.	Solubility in Water	Immiscible.
Specific Gravity	0.762 at 20°C	Solubility in Other Solvents	Not determined.
Flash Point	63°C (closed cup)	Explosive Properties	For naphtha (petroleum): Lower: 0.6% Upper: 6.0%
Flammability	Non-flammable.	Combustibility	Combustible.
Boiling Point/Range	For naphtha (petroleum): 187°C - 213°C	Oxidising Properties	Not determined.
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	Avoid contact with oxidising agents.
Hazardous Breakdown Products	Combustion or thermal decomposition may evolve toxic or irritant vapours.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)

Acute Toxicity	Oral	For permethrin: LD ₅₀ (rat): 554 mg/kg bw
	Inhalation	For permethrin: LC ₅₀ (rat): > 4.638 mg/L
	Dermal	For permethrin: LD ₅₀ (rat): > 2000 mg/kg bw
Corrosivity/Irritation	Skin	Not determined.
	Eyes	Not determined.
	Respiratory tract	Not determined.
Sensitisation	Skin	Contains less than 1% skin sensitisers in the form of permethrin. May cause an allergic reaction.
	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: LC50 (<i>Poecilia reticulata</i>)- 96hr: 8.9 µl/L LC50 (<i>Cyprinus carpio</i>)- 96hr: 0.145 mg/L EC50 (<i>Daphnia magna</i>)- 24hr: 0.020 mg/L EC50 (<i>Scenedesmus subspicatus</i>)- 72hr: >0.022mg/L EC50 (Activated sewage sludge)- 3hr: >1000 mg/L LC50 (<i>Lampito mauritii</i>)-: >1200 mg/kg
Mobility	Not determined.
Persistence and Degradability	Not determined.
Bioaccumulative Potential	Not determined.
Other Adverse Effects	None known.

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. Under normal circumstances, waste / empty containers will be disposed of by Rentokil Initial.				
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Hazard Code: H5 - Harmful; H14 - Ecotoxic Components making the waste hazardous				
Note for Disposal	<table><tr><td>Permethrin</td><td>Concentrations (%): 0.23</td></tr><tr><td>Naphtha (petroleum)</td><td>>50 ≤100</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.	Permethrin	Concentrations (%): 0.23	Naphtha (petroleum)	>50 ≤100
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Naphtha (petroleum)	>50 ≤100				

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14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	UN3082	Tremcard Reference No.	CEFIC TEC (R) – 90GM6-III	RIS Code
Transport Category	3	UK Hazchem EAC	2X	PSW58
ADR 2007 (International Road) Proper Shipping Name	Class 9 ADR HIN 90 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains permethrin)			 
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 2006 (Sea) Proper Shipping Name	Class 9 IMDG EMS F-A, S-F ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (contains permethrin)			
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 vapour. S35 : This material and its container must be disposed of in a safe way. S51 : Use only in well ventilated areas. S61 : Avoid release to the environment. Refer to special instruction / safety data sheet. S62 : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Additional Label Phrases	Contains permethrin. May produce an allergic reaction.
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	UN approved 25 litre steel drum.
Revisions	Changes have been made to the content of boxes 01, 02, 03, 05, 06, 08, 09, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 03.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 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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