

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade name : Woodworm Fluid B

Details of the supplier of the safety data sheet

Company/undertaking identification : Rentokil Initial (S) Pte Ltd

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Physical hazards : Flammable liquids, Category 3
Health hazards : Skin corrosion/irritation, Category 2
: Aspiration hazard, Category 1

2.2. Label elements

Hazard pictograms (GHS-SG) :



Signal word (GHS-SG) : Danger

Hazard statements (GHS-SG) : Flammable liquid and vapour (H226)
May be fatal if swallowed and enters airways (H304)
Causes skin irritation (H315)

Precautionary statements

Prevention : Keep away from heat, hot surfaces, open flames, sparks. - No smoking (P210)
Keep container tightly closed (P233)
Ground/bond container and receiving equipment (P240)
Use explosion-proof electrical, lighting, ventilating equipment (P241)
Wash hands, forearms and face thoroughly after handling (P264)
Wear protective gloves, protective clothing, eye protection, face protection (P280)

Response : IF SWALLOWED: immediately call a POISON CENTER or doctor/physician (P301+P310)
IF ON SKIN: Wash with plenty of soap and water (P302+P352)
Specific treatment (see supplemental first aid instruction on this label) (P321)
Do NOT induce vomiting (P331)
If skin irritation occurs: Get medical advice/attention (P332+P313)
In case of fire: Use foam, extinguishing powder, carbon dioxide (CO2), sand for extinction (P370+P378)

Storage : Store in a well-ventilated place. Keep cool (P403+P235)
Store locked up (P405)

Disposal : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation (P501)

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Concentration(%)	Formula	Product identifier
Permethrin	Permethrin Technical	0.25		(CAS No) 52645-53-1 (EC no) 258-067-9 (EC index no) 613-058-00-2
Hydrocarbons, C11-C13, isoalkanes,		25 - 50	-	(CAS No) 90622-58-5 (EC no) 920-901-0 (EC index no)
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics		25 - 50		(CAS No) 90622-57-4 (EC no) 918-167-1 (EC index no)

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: Assure fresh air breathing. Allow the victim to rest.
Skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Repeated exposure may cause skin dryness or cracking.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: If you feel unwell, seek medical advice.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Prolonged or repeated contact may cause skin to become dry.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Reactivity	: This product is stable under normal conditions of handling and use.
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5.3. Special Protective actions for the fire fighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of reach of children. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Keep only in the original container.
- Incompatible products : Oxidizing agent.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

Wood preservatives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colourless liquid.
Colour	: Colourless
Odour	: characteristic
Odour threshold	:
pH	:
Relative evaporation rate (butylacetate=1)	: 0.04 isoalkane solvent
Melting point	:
Freezing point	:
Boiling point	: 175 - 213 °C isoalkane solvent
Flash point	: 55 °C
Auto-ignition temperature	:
Decomposition temperature	:
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: 0.05 kPa isoalkane solvent
Relative vapour density at 20 °C	: > 1 isoalkane solvent
Relative density	:
Density	: 0.74 g/cm ³
Solubility	: immiscible.
Log Pow	:
Log Kow	:
Viscosity, kinematic	: 1.6 mm ² /s isoalkane solvent at 25 degreesC
Viscosity, dynamic	:
Explosive properties	:
Oxidising properties	:
Explosive limits	: 0.6 - 7 vol % isoalkane solvent

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

This product is stable under normal conditions of handling and use.

10.2. Chemical stability

This product is stable under normal conditions of handling and use.

10.3. Possibility of hazardous reactions

None expected under normal conditions of handling and use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Effects on humans

No data available

11.2. Acute toxicity

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Oral	Rat	LD ₅₀	No data available
	Mouse	LD ₅₀	No data available
Inhalation	Rat	LC ₅₀	No data available
	Mouse	LC ₅₀	No data available
Dermal	Rabbit	LD ₅₀	No data available
	Mouse	LD ₅₀	No data available

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics (90622-57-4)

Oral	Rat	LD ₅₀	<
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11.3. Skin corrosion/irritation - Description

Irritating to rabbit skin.

11.4. Serious eye damage/eye irritation - Description

Not applicable.

11.5. Skin or Respiratory sensitization - Description

No data available

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11.6. Germ cell mutagenicity - Description

No data available

11.7. Carcinogenicity

No data available

11.8. Reproductive toxicity - Description

No data available

11.9. Specific target organ toxicity (single exposure) - Description

No data available

11.10. Specific target organ toxicity (repeated exposure) - Description

No data available

11.11. Aspiration hazard - Description

May be fatal if swallowed and enters airways.

11.12. Other health hazard

No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

Permethrin (52645-53-1)	
LC50 fish 1	0.0089 mg/l 96 hrs
EC50 Daphnia 1	
LC50 fish 2	0.145 mg/l 96 hrs
ErC50 (algae)	> 0.011 mg/l 72 hrs

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics (90622-57-4)	
LC50 fish 1	> 100 mg/l
LC50 other aquatic organisms 1	> 100 mg/l crustaceans
EC50 Daphnia 1	> 100 mg/l
NOEC (chronic)	> 0.1 - 1 mg/l

12.2. Persistence and degradability

Woodworm Fluid B	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Woodworm Fluid B	
Bioaccumulative potential	This product is not expected to bioaccumulate.

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 1993

UN-No. (IATA) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Proper Shipping Name (IATA) : Flammable liquid, n.o.s.

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Contains isoundecanes and isodecanes), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

Class (ADR) : 3

Class (IATA) : 3 - Flammable Liquids

Danger labels (ADR) : 3



Hazard labels (IATA) : 3



14.4. Packing group

Packing group (ADR) : III

Packing group (IATA) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 33

Classification code (ADR) : F1

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Orange plates :

33
1993

Special provisions (ADR) : 274

Transport category (ADR) : 1

Tunnel restriction code (ADR) : D/E

Limited quantities (ADR) : 0

Excepted quantities (ADR) : E3

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

CAO packing instructions (IATA) : 361

CAO max net quantity (IATA) : 30L

PCA packing instructions (IATA) : 351

PCA Limited quantities (IATA) : Forbidden

PCA limited quantity max net quantity (IATA) : Forbidden

PCA max net quantity (IATA) : 1L

PCA Excepted quantities (IATA) : E3

Special provisions (IATA) : A3

ERG code (IATA) : 3H

SECTION 15: Regulatory information

15.1. National regulations

15.2. International Regulations

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R65

N; R50/53

R10

R66

R-phrases:

R10 - Flammable

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

R66 - Repeated exposure may cause skin dryness or cracking

S-phrases:

S35 - This material and its container must be disposed of in a safe way

S43 - In case of fire, use ... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add - "Never use water")

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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15.3 Chemical inventory status

Australia AICS	No
Canada DSL	No
China IECSC	No
EU EINECS	No
Japan ENCS	No
Korea ECL	No
PICCS	No
US TSCA	No

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

SDS Singapore

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product