

Safety Data Sheet

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REVISION (see box 16)

Issue : 01 22 : 05 : 2007

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	CELPRUF ZOP
Description	A manufacturing intermediate used in the production of Rentokil Termite Fluid.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050 Emergency line: 0800 731 6 731 E-mail: techinfo@r-d.rentokil-initial.co.uk

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
X_n Harmful	R10 Flammable R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
N Dangerous for the environment	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):	
May cause irritation to eyes. Prolonged inhalation of mists may cause lung inflammation.	
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
0.10	Permethrin*/ M-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate EINECS : 258-067-9 CAS : 52645-53-1	X _n : R20/22 R43 N : R50,53
>2.5 ≤10.0	White spirit*/ Naphtha (petroleum) Hydrotreated heavy EINECS : 265-150-3 CAS : 64742-48-9	X _n : R65 R66
>50.0 ≤100.0	White spirit*/ Naphtha (petroleum) Hydrodesulfurized heavy EINECS : 265-185-4 CAS : 64742-82-1	R10 N : R51,53 X _n : R65 R66

CELPRUF ZOP

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 water.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
Special Exposure Hazards	May product oxides of carbon on combustion.

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 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)	Workplace Exposure Limit (WEL) for naphtha (petroleum) hydrodesulfurized heavy is 600 mg/m ³ long-term exposure (8 hour Time Weighted Average).
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	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Skin Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Breathing Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A pale straw coloured liquid with a solvent type odour.		
pH	Not applicable.	Solubility in Water	Immiscible.
Specific Gravity	0.79 at 15°C	Solubility in Other Solvents	Soluble in organic solvents.
Flash Point	40-55°C	Explosive Properties	Not determined.
Flammability	Flammable.	Combustibility	Combustible.
Boiling Point/Range	Not determined.	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.

10 STABILITY AND REACTIVITY

Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
Materials to avoid	None.
Hazardous Breakdown Products	May product oxides of carbon on combustion.

11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)



Acute Toxicity	Oral	For permethrin : LD ₅₀ (rat) : 1.479 mg/kg. For zinc versatate : LD ₅₀ (rat) : >6000 mg/kg.
	Inhalation	For permethrin : LD ₅₀ (rat) : 0.599 mg/kg.
	Dermal	For permethrin : LD ₅₀ (rat) : >2000 mg/kg.
Corrosivity/Irritation	Skin	Repeated exposure may cause skin dryness and cracking.
	Eyes	May cause irritation to eyes.
	Respiratory tract	Prolonged inhalation of mists may cause lung irritation.
Sensitisation	Skin	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 Development	Product does not contain any components known to have effects on fertility. 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 (<i>Poecilia reticulata</i>) 96hr : 0.0076 mg/L EC ₅₀ (<i>Daphnia magna</i>) 48hr : 0.00017 mg/L EC ₅₀ (Algae) 72hr : 0.5 mg/L
Mobility	Essentially immiscible in water and therefore may be separated from aqueous system by most filtration and sedimentation processes.
Persistence and Degradability	Expected to biodegrade slowly.
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.								
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Hazard Code: H3B – Flammable, H5 – Harmful, H14 - Ecotoxic								
	<table><thead><tr><th><u>Components making the waste hazardous</u></th><th><u>Concentrations (%)</u></th></tr></thead><tbody><tr><td>Permethrin</td><td>0.10</td></tr><tr><td>Naphtha (petroleum) hydrodesulfurized heavy</td><td>>50 ≤100</td></tr><tr><td>Naphtha (petroleum) hydrotreated heavy</td><td>>1 ≤2.5</td></tr></tbody></table>	<u>Components making the waste hazardous</u>	<u>Concentrations (%)</u>	Permethrin	0.10	Naphtha (petroleum) hydrodesulfurized heavy	>50 ≤100	Naphtha (petroleum) hydrotreated heavy	>1 ≤2.5
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Naphtha (petroleum) hydrodesulfurized heavy	>50 ≤100								
Naphtha (petroleum) hydrotreated heavy	>1 ≤2.5								
Note for Disposal	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.	UN1300	Tremcard Reference No.	30GF1-III	RIS Code
Transport Category	3	UK Hazchem EAC	3Y	PSC48 0892
ADR 2007 (International Road) Proper Shipping Name	Class 3 ADR HIN 30 TURPENTINE SUBSTITUTE, mixture.			Labels
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. Combination packs only.			
Special Requirements	Not required. Packing Group III			
IMDG 2006 (Sea) Proper Shipping Name	Class 3 IMDG EMS F-E, S-E TURPENTINE SUBSTITUTE, mixture.			
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. 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	<p>S23: Do not breathe vapour.</p> <p>S24/25: Avoid contact with skin and eyes.</p> <p>S35: This material and its container must be disposed of in a safe way.</p> <p>S43: In case of fire use foam/dry powder/carbon dioxide- Never use water.</p> <p>S61: Avoid release to the environment. Refer to special instructions/safety data sheet.</p> <p>S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</p>
Additional Label Phrases	Contains permethrin. May produce an allergic reaction.
Legislation	<p>Labelling is in accordance with UK regulations implementing the EC Directive 1999/45.</p> <p>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.</p> <p>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.</p>

16 Other Information and indication of revisions	
Packaging Information	A 200 litre UN certified steel drum.
Revisions	Not applicable.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	<p>R10 : Flammable.</p> <p>R20/22 : Harmful by inhalation and if swallowed.</p> <p>R43 : May cause sensitisation by skin contact.</p> <p>R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R51,53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 : Harmful: May cause lung damage if swallowed.</p> <p>R66 : Repeated exposure may cause skin dryness and cracking.</p>

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Before using any product, ensure that you read and understand its label.

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Telephone: +44 (0) 1293 858000 Fax: +44 (0) 1342 836180 Web: www.ri-research.com