

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: Permethrin 62.5g/L
- Synonyms: Lignum Pro I62.5
- UFI: Y500-W026-U00A-QDX6
- Product Part Number: EQMP0002

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Biocidal Product - Wood Preservative PT8
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Enviroquest GPT Ltd
- Address of Supplier: Unit E8, Ashlyn Road
West Meadows Industrial Estate
Derby
DE21 6XE
United Kingdom
- Telephone: +44 (0)1332 362492
- Responsible Person: Enviroquest GPT Ltd
- Email: msds@enviroquestgpt.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0)1332 362492 (Business Hours Only)
UK Only : National Poisons Information Service (www.npis.org)
ROI Only : National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Skin Sens. 1, Eye Dam. 1, Aquatic Chronic 1

2.2 Label elements

- Signal Word: Danger

Hazard statements

- H318 - Causes serious eye damage.
- H317 - May cause an allergic skin reaction.
- H410 - Very toxic to aquatic life with long lasting effects.

SECTION 2: Hazards identification (....)**Precautionary statements**

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P310 - Immediately call a POISON CENTER or doctor/physician.
 P321 - Specific treatment (see advice on this label).
 P273 - Avoid release to the environment.
 P501 - Dispose of contents/container to an authorised waste collection point.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P363 - Wash contaminated clothing before reuse.
 P391 - Collect spillage.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P272 - Contaminated work clothing should not be allowed out of the workplace.

2.3 Other hazards

- Contains: permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate Alcohols, C9-11, Ethoxylated, 5EO

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Chemical Name	CAS Number	EC Number	Concentration	Specific Concentration Limits	M factor	Categories
permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	52645-53-1	258-067-9	6.493%		1000 1000	Acute Tox. 4 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1
Alcohols, C9-11, Ethoxylated, 5EO	68439-46-3	931-514-1	30 - 50%			Eye Dam. 1
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	2634-33-5	220-120-9	<0.05%	Skin Sens. 1 H317: C ≥ 0,05 %		Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1
potassium hydroxide; caustic potash	1310-58-3	215-181-3	<0.01%	Skin Corr. 1A H314: C ≥ 5 % Skin Corr. 1B H314: 2 % ≤ C < 5 % Skin Irrit. 2 H315: 0,5 % ≤ C < 2 % Eye Irrit. 2 H319: 0,5 % ≤ C < 2 %		Acute Tox. 4 Skin Corr. 1A

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Wash contaminated clothing before reuse.

SECTION 4: First aid measures (....)**Contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contact with skin

If skin irritation or rash occurs: Get medical advice/attention.

Ingestion

Rinse mouth.

Inhalation

Remove patient to fresh air

4.2 Most important symptoms and effects, both acute and delayed**Contact with eyes**

Risk of serious damage to eyes

Contact with skin

Sensitizing

Ingestion

May cause nausea/vomiting

Inhalation

No information available

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
- Immediately call a POISON CENTER or doctor/physician.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Prevent run off water from entering drains if possible
- Wear chemical protection suit and positive-pressure breathing apparatus

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Wear protective clothing as per section 8

SECTION 6: Accidental release measures (....)

- Contain spillage by any means possible

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Collect spillage.
- Collect as much as possible in clean container for reuse or disposal
- Absorb spillage in suitable inert material
- Ventilate area

6.4 Reference to other sections

- See Section 8 & 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Wash hands thoroughly after using this substance
- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place

7.3 Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Substances**

Chemical Name	OES / STEL
potassium hydroxide; caustic potash	2 mg/m ³

8.2 Exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: liquid

SECTION 9: Physical and chemical properties (....)

- Colour: amber
- Odour: Characteristic odour
- Flammability: Not flammable
- pH: 6 - 8
- Solubility in water: Completely soluble in water
- Density: 1.045 g/cm³ at 20 °C
- Flashpoint: >93°C

9.2 Other information

- No information available

SECTION 10: Stability and reactivity**10.1 Reactivity**

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special precautions are required for this product

10.5 Incompatible materials

- No information available

10.6 Hazardous decomposition products

- No hazardous decomposition products known

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Estimated LD₅₀ (oral) (ATE) : 7700.601 mg/kg

Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg

Estimated LD₅₀ (inhalational) (ATE) : 169.4132 mg/l/4hr (gas/vapour)

Substances

Chemical Name	LD ₅₀ (oral, rat)	LD ₅₀ (skin, rat)	LD ₅₀ (dermal)
permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	554 mg/kg	>2000 mg/kg	
Alcohols, C9-11, Ethoxylated, 5EO	>2000 <=5000 mg/kg		>2000 mg/kg

SECTION 11: Toxicological information (....)

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	1193 mg/kg		
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Skin corrosion/irritation

Not Classified

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Not Classified

Carcinogenicity

Not Classified

Reproductive toxicity

Not Classified

STOT (specific target organ toxicity) - single exposure

Not Classified

STOT (specific target organ toxicity) - repeated exposure

Not Classified

Aspiration hazard

Not Classified

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information**12.1 Toxicity****Substances**

Chemical Name	EC ₅₀ (daphnia)	LC ₅₀ (fish)	IC ₅₀ (algae)
permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	0.32 mg/l (48 hr)	0.0089 mg/l (96 hr)	
Alcohols, C9-11, Ethoxylated, 5EO	1-10 mg/l (48 hr)	1-10 mg/l (96 hr)	1-10 mg/l (72 hr)
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	1 mg/l (48 hr)	1.3 mg/l (96 hr)	

12.2 Persistence and degradability

SECTION 12: Ecological information (....)

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- miscible with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Endocrine disrupting properties

- No information available

12.7 Other adverse effects

- Pesticide
 - Toxic to sewage works organisms
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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

- Disposal should be in accordance with local, state or national legislation
 - Dispose of contents/container to an authorised waste collection point
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SECTION 14: Transport information**14.1 UN number or ID number**

- UN No.: 3082

14.2 UN proper shipping name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine Pollutant
- Environmentally hazardous

14.6 Special precautions for user

- Contains: permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878
- Refer to EU Biocidal Products Regulation (528/2012)
Refer to GB Biocidal Products Regulations
- The COSHH Regulations apply in the UK

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
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SECTION 16: Other information

The information provided in these documents is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application.