



# Agropharm

## SAFETY DATA SHEET Permapel

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Permapel

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

Identified uses Insecticide  
Uses advised against No specific uses advised against are identified.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Agropharm Limited  
Buckingham Place,  
Church Road, Penn,  
High Wycombe  
Bucks  
HP10 8LN  
Tel: +44 (0) 1494 816575  
Factory: +44 (0)1952 740333  
Fax: +44 (0) 1494 816578  
sales@agropharm.co.uk

#### 1.4. Emergency telephone number

+44 (0) 1952 740 333 (Monday to Friday 9:00-17:00 GMT)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.  
Human health Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Asp. Tox. 1 - H304  
Environment Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

##### Classification (1999/45/EEC)

Xn; R65. Xi; R36. R43. N; R50/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

##### Human health

May be harmful if swallowed or inhaled, may cause an allergic skin reaction. Irritating to eyes.

##### Environment

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### 2.2. Label elements

Contains ODOURLESS Kerosine  
PERMETHRIN  
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.; Kerosine - UNSPECIFIED

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

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## Hazard Statements

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.

## Precautionary Statements

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P501	Dispose of contents/container to ...

## Supplementary Precautionary Statements

P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P331	Do NOT induce vomiting.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337	If eye irritation persists:
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.

## 2.3. Other hazards

Not known

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### 3.2. Mixtures

<b>ALCOHOL ETHOXYLATE</b>		<b>1-5%</b>
<b>CAS-No.: 68439-45-2</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R22. Xi;R41.	
<b>DODECYLBENZENE SULPHONATE CALCIUM SALT</b>		<b>1-5%</b>
<b>CAS-No.: 26264-06-2</b>	<b>EC No.: 247-557-8</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R36/38.	
<b>ISO-BUTANOL</b>		<b>1-5%</b>
<b>CAS-No.: 78-83-1</b>	<b>EC No.: 201-148-0</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xi;R37/38,R41 R67	

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<b>ODOURLESS Kerosine</b>		<b>60-100%</b>
<b>CAS-No.: 91770-15-9</b>	<b>EC No.: 294-799-5</b>	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R65.	
<b>PERMETHRIN</b>		<b>5-10%</b>
<b>CAS-No.: 052645-53-1</b>	<b>EC No.: 258-067-9</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R20/22 R43 N;R50/53	
<b>SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.; Kerosine - UNSPECIFIED</b>		<b>10-30%</b>
<b>CAS-No.: 64742-94-5</b>	<b>EC No.: 265-198-5</b>	
Classification (EC 1272/2008) Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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### SECTION 4: FIRST AID MEASURES

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#### **4.1. Description of first aid measures**

##### **General information**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

##### **Inhalation**

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

##### **Ingestion**

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

##### **Skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

##### **Eye contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention.

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

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

This product contains Pyrethroids, surfactants, and Petroleum Distillates. Vomiting may cause aspiration pneumonia.

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### SECTION 5: FIREFIGHTING MEASURES

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#### **5.1. Extinguishing media**

##### **Extinguishing media**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

##### **Unsuitable extinguishing media**

High volume water jet.

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## 5.2. Special hazards arising from the substance or mixture

### Hazardous combustion products

None under normal conditions.

### Unusual Fire & Explosion Hazards

FLAMMABLE.

### Specific hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 5.3. Advice for firefighters

### Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

### 6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Do not contaminate water sources or sewer. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

### 6.4. Reference to other sections

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## SECTION 7: HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Avoid inhalation of vapours.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ISO-BUTANOL	WEL	50 ppm	154 mg/m <sup>3</sup>	75 ppm	231 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate general and local exhaust ventilation.

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## Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

## Hand protection

Use protective gloves.

## Eye protection

No specific eye protection noted, but may be required anyway.

## Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

## Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Mobile Liquid
<b>Colour</b>	Brown.
<b>Odour</b>	Aromatic.
<b>Solubility</b>	Forms an emulsion with water. Soluble in: Organic solvents
<b>Relative density</b>	0.87 @ 20 °c

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Strong oxidising substances.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not known.

### Hazardous Polymerisation

Unknown.

### 10.4. Conditions to avoid

Avoid contact with acids and oxidising substances.

### 10.5. Incompatible materials

#### Materials To Avoid

Strong oxidising substances.

### 10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxic Dose 1 - LD 50

Permethrin = 1479 mg/kg (oral rat)

#### Health Warnings

This chemical can be hazardous when inhaled and/or touched. INHALATION. May cause irritation to the respiratory system. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. EYE CONTACT. May cause severe irritation to eyes. INGESTION. Is absorbed through the stomach and intestine. May cause stomach pain or vomiting.

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## Target Organs

Skin Eyes Respiratory system, lungs

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## SECTION 12: ECOLOGICAL INFORMATION

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### Ecotoxicity

Dangerous for the environment if discharged into watercourses.

### 12.1. Toxicity

#### Acute Fish Toxicity

Toxic to fish.

### 12.2. Persistence and degradability

Not known

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

Not known.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### General information

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

### 13.1. Waste treatment methods

Do not allow runoff to sewer, waterway or ground.

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## SECTION 14: TRANSPORT INFORMATION

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### 14.1. UN number

UN No. (ADR/RID/ADN)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082

### 14.2. UN proper shipping name

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN)

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	9
ADR/RID/ADN Class	Class 9: Miscellaneous dangerous substances and articles.
ADR Label No.	9
IMDG Class	9
ICAO Class/Division	9
Transport Labels	



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## 14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



## 14.6. Special precautions for user

EMS	F-A, S-F
Emergency Action Code	•3Z
Hazard No. (ADR)	90
Tunnel Restriction Code	(E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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### SECTION 15: REGULATORY INFORMATION

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#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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### SECTION 16: OTHER INFORMATION

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#### General information

The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.

#### Revision Comments

Formulation adjustment.

<b>Issued By</b>	HS&E Manager.
<b>Revision Date</b>	08/10/2014
<b>Revision</b>	4
<b>Supersedes date</b>	13/03/2014
<b>Date</b>	08/10/14

#### Risk Phrases In Full

R10	Flammable.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Permapel

### Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.