SAFETY DATA SHEET
Prevent Pump Spray

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

1.1. Product identifier
Product name: Prevent Pump Spray
Product No.: FP742

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Insect repellent.
Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier: Agropharm Ltd
Buckingham Place
Church Road, Penn
High Wycombe
Bucks. HP10 8LN, UK
+44 (0)1494 81 65 75
+44 (0)1952 740 333
+44 (0)1494 81 65 78
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: Flam. Liq. 2 - H225
Human health: Acute Tox. 4 - H302; Acute Tox. 4 - H312; Acute Tox. 4 - H332; STOT SE 2 - H371
Environment: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
Classification (1999/45/EEC)
Xn; R20/21/22, R68/20/21/22, F; R11. N; R50/53.
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health
The liquid may irritate the skin, the eyes and the respiratory tract.

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

2.2. Label elements
Contains: METHANOL
Label In Accordance With (EC) No. 1272/2008

Signal Word: Danger
Hazard Statements:
- H225: Highly flammable liquid and vapour.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H332: Harmful if inhaled.
- H371: May cause damage to organs.
Prevent Pump Spray

**Precautionary Statements**

- **P210** Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- **P271** Use only outdoors or in a well-ventilated area.
- **P273** Avoid release to the environment.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P501** Dispose of contents/container to ...

**Supplementary Precautionary Statements**

- **P233** Keep container tightly closed.
- **P240** Ground/bond container and receiving equipment.
- **P241** Use explosion-proof electrical equipment.
- **P242** Use only non-sparking tools.
- **P243** Take precautionary measures against static discharge.
- **P270** Do not eat, drink or smoke when using this product.
- **P260** Do not breathe vapour/spray.
- **P261** Avoid breathing vapour/spray.
- **P264** Wash contaminated skin thoroughly after handling.
- **P370+378** In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
- **P301+312** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- **P302+352** IF ON SKIN: Wash with plenty of soap and water.
- **P303+361+353** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- **P304+340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **P309+311** IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
- **P312** Call a POISON CENTER or doctor/physician if you feel unwell.
- **P330** Rinse mouth.
- **P363** Wash contaminated clothing before reuse.
- **P391** Collect spillage.
- **P403+235** Store in a well-ventilated place. Keep cool.
- **P405** Store locked up.

**Supplemental label information**

- EUH208 Contains LEMONGRASS OIL. May produce an allergic reaction.

### 2.3. Other hazards

Not known

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>ETHANOL</th>
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<tr>
<td>CAS-No.: 64-17-5</td>
<td>EC No.: 200-578-6</td>
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<tr>
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<td>Classification (67/548/EEC)</td>
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<td>Flam. Liq. 2 - H225</td>
<td>Fl;R11</td>
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<table>
<thead>
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<th>LEMONGRASS OIL</th>
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<tr>
<td>CAS-No.: 8007-02-1</td>
<td>EC No.:</td>
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<tr>
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<td>Classification (67/548/EEC)</td>
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<td>Xi;R36/38.</td>
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<td>Eye Irrit. 2 - H319</td>
<td>N;R51/53.</td>
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<tr>
<td>Skin Sens. 1 - H317</td>
<td>R43.</td>
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<tr>
<td>Aquatic Chronic 2 - H411</td>
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</tbody>
</table>
Prevent Pump Spray

METHANOL 
CAS-No.: 67-56-1   EC No.: 200-659-6

Classification (EC 1272/2008) Classification (67/548/EEC)
Flam. Liq. 2 - H225 F;R11
Acute Tox. 3 - H301 T;R23/24/25,R39/23/24/25
Acute Tox. 3 - H311
Acute Tox. 3 - H331
STOT SE 1 - H370

PIPERONYL BUTOXIDE B.P. VET.
CAS-No.: 51-03-6   EC No.: 200-076-7

Classification (EC 1272/2008) Classification (67/548/EEC)
Aquatic Acute 1 - H400 N;R50/53.
Aquatic Chronic 1 - H410

PYRETHRINS INCLUDING CINERINS
CAS-No.: 8003-34-7   EC No.: 232-319-8

Classification (EC 1272/2008) Classification (67/548/EEC)
Acute Tox. 4 - H302 Xn;R20/21/22.
Acute Tox. 4 - H312 N;R50/53.
Acute Tox. 4 - H332
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Ingestion
Rinse mouth out and give water in small sips to drink. Do NOT induce vomiting. If swallowed seek medical advice immediately and show this container or label.

Skin contact
Wash skin thoroughly with soap and water.

Eye contact
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

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

Inhalation
Maybe hazardous if inhaled

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact
May be harmful. May cause irritation.

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

SECTION 5: FIREFIGHTING MEASURES

3 / 8
Prevent Pump Spray

5.1. Extinguishing media

Extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
Water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
None under normal conditions.

Unusual Fire & Explosion Hazards
HIGHLY FLAMMABLE!

Specific hazards
Will ignite if exposed to intense heat or open flame.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Avoid breathing fire vapours.

Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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 into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Use only as directed. Observe good personal hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame.

Storage Class
Flammable liquid storage.

7.3. Specific end use(s)

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

Usage Description
Pesticide

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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</thead>
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<tr>
<td>ETHANOL</td>
<td>WEL</td>
<td>1000 ppm</td>
<td>1920 mg/m3</td>
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<tr>
<td>METHANOL</td>
<td>WEL</td>
<td>200 ppm(Sk)</td>
<td>266 mg/m3(Sk)</td>
<td>250 ppm(Sk)</td>
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<tr>
<td>PYRETHRINS INCLUDING CINERINS</td>
<td>WEL</td>
<td>1 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Protective equipment

Engineering measures
Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment
Wear suitable respiratory protection.

Hand protection
For prolonged or repeated skin contact use suitable protective gloves.

Eye protection
Wear approved safety goggles.

Hygiene measures
When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Clear, yellowish liquid.
Colour Yellow.

9.2. Other information
Not known.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Avoid high temperatures

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions
Not known.
Hazardous Polymerisation
Unknown.

10.4. Conditions to avoid
Heat, flames and sparks.

10.5. Incompatible materials
Materials To Avoid
Flammable/combustible material.

10.6. Hazardous decomposition products
Not known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

SECTION 12: ECOLOGICAL INFORMATION
Prevent Pump Spray

Ecotoxicity
The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability
Not known
Degradability
No data available.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil
Mobility:
Mobile.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects
Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
UN No. (ADR/RID/ADN) 1987
UN No. (IMDG) 1987
UN No. (ICAO) 1987

14.2. UN proper shipping name
Proper Shipping Name ALCOHOLS, N.O.S. (ETHANOL).

14.3. Transport hazard class(es)
ADR/RID/ADN Class 3
ADR/RID/ADN Class Class 3: Flammable liquids.
ADR Label No. 3
IMDG Class 3
ICAO Class/Division 3
Transport Labels

14.4. Packing group
Prevent Pump Spray

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

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user
EMS F-E, S-D
Emergency Action Code •3YE
Hazard No. (ADR) 33
Tunnel Restriction Code (D/E)

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

SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

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
Risks recalculated to ensure data is up to date
Issued By HS&E Manager.
Revision Date 22/01/2014
Revision 8
Supersedes date 17/01/2014
Date 06/07/2012

Risk Phrases In Full
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R11 Highly flammable
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements in Full

H370 Causes damage to organs <<Organs>>.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H225 Highly flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H371 May cause damage to organs <<Organs>>.
H331 Toxic if inhaled.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.