



## SAFETY DATA SHEET AGROMETHRIN 40 EC

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

#### 1.1. Product identifier

**Product name** AGROMETHRIN 40 EC

**Product number** FP010

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

**Identified uses** Pesticide

**Uses advised against** No specific uses advised against are identified.

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

**Supplier** PelGar International Ltd  
Unit 13  
Newman Lane  
Alton  
Hampshire  
GU34 2QR  
United Kingdom  
Telephone : +44(0)1420 80744  
E-mail: garry@pelgar.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** +44(0)1420 80744

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Muta. 1B - H340 Carc. 1B - H350  
STOT SE 3 - H335 Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**Human health** Harmful by inhalation Causes serious skin irritation. May cause serious eye damage.  
Aspiration hazard. Contains a substance which may be potentially carcinogenic. Suspected of causing genetic defects

**Environmental** 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

## AGROMETHRIN 40 EC

### Pictogram



### Signal word

Danger

### Hazard statements

H226 Flammable liquid and vapour.  
 H335 May cause respiratory irritation.  
 H318 Causes serious eye damage.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H350 May cause cancer.  
 H315 Causes skin irritation.  
 H332 Harmful if inhaled.  
 H304 May be fatal if swallowed and enters airways.  
 H340 May cause genetic defects.

### Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 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.  
 P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 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.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P331 Do NOT induce vomiting.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with national regulations.

### Contains

SOLVENT NAPHTHA, LIGHT, 1,2,4-TRIMETHYLBENZENE, ALPHACYPERMETHRIN, DODECYLBENZENE SULPHONATE CALCIUM SALT, BUTANOL-norm

### 2.3. Other hazards

Not known

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

## AGROMETHRIN 40 EC

<b>SOLVENT NAPHTHA, LIGHT</b>	<b>30-60%</b>
CAS number: 64742-95-6                      EC number: 265-199-0	
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Muta. 1B - H340 Carc. 1B - H350 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
<b>1,2,4-TRIMETHYLBENZENE</b>	<b>10-30%</b>
CAS number: 95-63-6                      EC number: 202-436-9	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
<b>ALPHACYPERMETHRIN</b>	<b>1-5%</b>
CAS number: 67375-30-8                      EC number: 257-842-9	
M factor (Acute) = 1000                      M factor (Chronic) = 1000	
<b>Classification</b> Acute Tox. 3 - H301 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
<b>DODECYLBENZENE SULPHONATE CALCIUM SALT</b>	<b>1-5%</b>
CAS number: 90194-26-6                      EC number: 290-635-1	
<b>Classification</b> Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	

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<b>BUTANOL-norm</b>	<b>1-5%</b>
CAS number: 71-36-3	EC number: 200-751-6
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Acute Tox. 4 - H302 STOT SE 3 - H335, H336 STOT SE 3 - H335, H336 STOT SE 3 - H335, H336	
<b>ALCOHOL ETHOXYLATE</b>	<b>&lt;1%</b>
CAS number: 68131-39-5	
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

#### SECTION 4: First aid measures

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

<b>General information</b>	Remove affected person from source of contamination. General first aid, rest, warmth and fresh air. Place unconscious person on the side in the recovery position and ensure breathing can take place.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>Inhalation</b>	May be harmful if inhaled
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	This product is strongly irritating.
<b>Eye contact</b>	Causes serious eye damage.

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

#### SECTION 5: Firefighting measures

## AGROMETHRIN 40 EC

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

**Unsuitable extinguishing media** High volume water jet.

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

**Specific hazards** The product is flammable.

**Hazardous combustion products** Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

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

### 6.2. Environmental precautions

**Environmental precautions** Avoid or minimise the creation of any environmental contamination. Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid spilling. Avoid contact with skin and eyes.

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

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

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **BUTANOL-norm**

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 154 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

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### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Wear protective gloves.

#### Other skin and body protection

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

#### Hygiene measures

Provide eyewash station and safety shower. 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 and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Brown.
Odour	Aromatic.
Odour threshold	No information available.
pH	No information available.
Melting point	< 0°C
Initial boiling point and range	No information available.
Flash point	~ 50°C TCC (Tag closed cup).
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.9 @ @ 20°C
Bulk density	No information available.
Solubility(ies)	Forms an emulsion with water. Soluble in the following materials: Organic solvents.
Partition coefficient	No information available.
Auto-ignition temperature	~ 450°C
Decomposition Temperature	No information available.

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**Viscosity** No information available.

**Explosive properties** No information available.

**Oxidising properties** Not oxidising.

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** Not known

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not known. Will not polymerise.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with the following materials: Acids. Oxidising agents.

##### 10.5. Incompatible materials

**Materials to avoid** Flammable/combustible materials.

##### 10.6. Hazardous decomposition products

**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

###### Acute toxicity - oral

**ATE oral (mg/kg)** 2,139.04

###### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 16,370.78

**ATE inhalation (vapours mg/l)** 40.02

**ATE inhalation (dusts/mists mg/l)** 4.8

###### Skin corrosion/irritation

**Skin corrosion/irritation** This product is a skin irritant. Prolonged or repeated exposure may cause irritation and dermatitis.

###### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

###### Germ cell mutagenicity

**Genotoxicity - in vivo** Suspected of causing genetic defects.

###### Carcinogenicity

**Carcinogenicity** May cause cancer.

###### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause respiratory irritation.

## AGROMETHRIN 40 EC

### Aspiration hazard

**Aspiration hazard** May be fatal if swallowed and enters airways.

### **Inhalation**

Gas or vapour may irritate the respiratory system.

### **Ingestion**

May cause stomach pain or vomiting.

### **Skin contact**

Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin.

### **Eye contact**

Causes serious eye damage.

### **Acute and chronic health hazards**

This chemical can be hazardous when inhaled and/or touched. Inhalation May cause respiratory system irritation. SKIN CONTACT. Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation. EYE CONTACT. May cause severe eye irritation. INGESTION. Is absorbed through the stomach and intestine. May cause stomach pain or vomiting.

### **Target organs**

Skin Eyes Respiratory system, lungs

## SECTION 12: Ecological Information

### **Ecotoxicity**

Dangerous for the environment if discharged into watercourses.

### 12.1. Toxicity

#### **Toxicity**

Toxic to fish.

#### **Acute toxicity - fish**

LC<sub>50</sub>, 96 hours: Rainbow Trout: 0.0028 mg/l, Fish

### 12.2. Persistence and degradability

#### **Persistence and degradability**

Degradable by microorganisms present in soils and water.

### 12.3. Bioaccumulative potential

#### **Bioaccumulative potential**

No data available on bioaccumulation.

#### **Partition coefficient**

No information available.

### 12.4. Mobility in soil

#### **Mobility**

Immobile in soil.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

#### **Other adverse effects**

Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Disposal methods**

Dispose of in accordance with applicable regional, national, and local laws and regulations. Dispose of Contaminated packaging as unused product unless fully cleaned. Avoid the spillage or runoff entering drains, sewers or watercourses.

## SECTION 14: Transport information

### 14.1. UN number

#### **UN No. (ADR/RID)**

1993

#### **UN No. (IMDG)**

1993

#### **UN No. (ICAO)**

1993



## AGROMETHRIN 40 EC

UN No. (ADN) 1993

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID, N.O.S. (CONTAINS SOLVENT NAPHTHA, 1,2,4-TRIMETHYL BENZENE AND n-BUTANOL)

**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S. (CONTAINS SOLVENT NAPHTHA, 1,2,4-TRIMETHYL BENZENE AND n-BUTANOL)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S. (CONTAINS SOLVENT NAPHTHA, 1,2,4-TRIMETHYL BENZENE AND n-BUTANOL)

**Proper shipping name (ADN)** FLAMMABLE LIQUID, N.O.S. (CONTAINS SOLVENT NAPHTHA, 1,2,4-TRIMETHYL BENZENE AND n-BUTANOL)

### 14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

#### Transport labels



### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

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

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

#### 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.

### SECTION 16: Other information

<b>General information</b>	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.
<b>Revision comments</b>	Risks recalculated to ensure data is up to date
<b>Revision date</b>	26/05/2016
<b>Revision</b>	8
<b>Supersedes date</b>	26/05/2016
<b>Hazard statements in full</b>	<p>H226 Flammable liquid and vapour.  H301 Toxic if swallowed.  H302 Harmful if swallowed.  H304 May be fatal if swallowed and enters airways.  H315 Causes skin irritation.  H318 Causes serious eye damage.  H319 Causes serious eye irritation.  H332 Harmful if inhaled.  H335 May cause respiratory irritation.  H336 May cause drowsiness or dizziness.  H340 May cause genetic defects.  H350 May cause cancer.  H373 May cause damage to organs through prolonged or repeated exposure.  H400 Very toxic to aquatic life.  H410 Very toxic to aquatic life with long lasting effects.  H411 Toxic to aquatic life with long lasting effects.</p>

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.