



## SAFETY DATA SHEET AGROTHRIN

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

#### 1.1. Product identifier

**Product name** AGROTHRIN  
**Product number** FP075

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

**Identified uses** Insecticide

#### 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 (EC/1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Aquatic Chronic 2 - H411  
**Human health** Not classified as hazardous  
**Environmental** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

##### Pictogram



**Hazard statements** H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements** P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/ container in accordance with national regulations.

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## 2.3. Other hazards

Not known

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>TALC</b>	<b>60-100%</b>
CAS number: 14807-96-6	EC number: 238-877-9

**Classification**  
Not Classified

<b>SIPERNAT 50 S</b>	<b>1-5%</b>
CAS number: 11296-00-8	EC number: 231-545-4

**Classification**  
Not Classified

<b>PIPERONYL BUTOXIDE</b>	<b>1-5%</b>
CAS number: 51-03-6	EC number: 200-076-7
M factor (Acute) = 1	M factor (Chronic) = 1

**Classification**  
Acute Tox. 4 - H302  
Acute Tox. 4 - H332  
STOT SE 3 - H335  
Aquatic Acute 1 - H400  
Aquatic Chronic 1 - H410

<b>PYRETHRINS INCLUDING CINERINS</b>	<b>&lt;1%</b>
CAS number: 8003-34-7	EC number: 232-319-8
M factor (Acute) = 100	M factor (Chronic) = 100

**Classification**  
Acute Tox. 4 - H302  
Acute Tox. 4 - H332  
Aquatic Acute 1 - H400  
Aquatic Chronic 1 - H410

<b>BUTYLATED HYDROXY TOLUENE (LONOL CP)</b>	<b>&lt;1%</b>
CAS number: 128-37-0	
M factor (Acute) = 10	M factor (Chronic) = 10

**Classification**  
Aquatic Acute 1 - H400  
Aquatic Chronic 1 - H410

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

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Those with a history of allergic dermatitis/asthma/hay fever should not handle pyrethrum based products.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide, dry powder or water fog.

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

**Specific hazards** Not known.

**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.

**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** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Collect spillage with a shovel and broom, or similar and reuse, if possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid inhalation of dust and contact with skin and eyes.

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

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material.
<b>Storage class</b>	Miscellaneous hazardous material storage.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	Pesticide

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### TALC

Long-term exposure limit (8-hour TWA): 1 mg/m<sup>3</sup>

##### SIPERNAT 50 S

TLVs ACGI 10mg/m<sup>3</sup> UK EH40/95 3mg/m<sup>3</sup> respirable dust, 8 h oes, 6mg/m<sup>3</sup> total dust oes.

#### **PYRETHRINS INCLUDING CINERINS**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

#### **Distillates (Petroleum) TWA (Non-Aerosol)**

### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation.
<b>Eye/face protection</b>	No specific eye protection required during normal use.
<b>Hand protection</b>	Gloves.
<b>Hygiene measures</b>	Wash hands at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	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

<b>Appearance</b>	Dusty powder.
<b>Colour</b>	Grey.
<b>Odour</b>	Slight.
<b>Solubility(ies)</b>	Slightly soluble in water.

### 9.2. Other information

<b>Other information</b>	Not known.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Not known

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

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

#### 10.4. Conditions to avoid

**Conditions to avoid** Not relevant.

#### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Not known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Pyrethrins: LD50 rat (oral) 900-2000 mg/kg. LD50 rat (dermal) >1500 mg/kg. Piperonyl Butoxide: LD50 rat (oral) 7500 mg/kg.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 39,370.08

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 354,330.71

**ATE inhalation (vapours mg/l)** 866.14

**ATE inhalation (dusts/mists mg/l)** 118.11

**Inhalation** Dust may irritate the respiratory system.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Powder may irritate skin.

**Eye contact** May cause temporary eye irritation.

### SECTION 12: Ecological Information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

#### 12.1. Toxicity

**Toxicity** Pyrethrum is toxic to aquatic organisms, but product has a low solubility.

#### 12.2. Persistence and degradability

**Persistence and degradability** Not known

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## 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

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 3077

**UN No. (IMDG)** 3077

**UN No. (ICAO)** 3077

**UN No. (ADN)** 3077

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PYRETHRINS INCLUDING CINERINS, PIPERONYL BUTOXIDE and BUTYLATED HYDROXY TOLUENE)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PYRETHRINS INCLUDING CINERINS, PIPERONYL BUTOXIDE and BUTYLATED HYDROXY TOLUENE)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PYRETHRINS INCLUDING CINERINS, PIPERONYL BUTOXIDE and BUTYLATED HYDROXY TOLUENE)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PYRETHRINS INCLUDING CINERINS, PIPERONYL BUTOXIDE and BUTYLATED HYDROXY TOLUENE)

### 14.3. Transport hazard class(es)

**ADR/RID class** 9

**ADR/RID classification code** M7

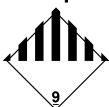
**ADR/RID label** 9

**IMDG class** 9

**ICAO class/division** 9

**ADN class** 9

### Transport labels



### 14.4. Packing group

**ADR/RID packing group** III

**IMDG packing group** III

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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-A, S-F

ADR transport category 3

Emergency Action Code 2Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (E)

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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>	01/08/2016
<b>Revision</b>	14
<b>Supersedes date</b>	08/04/2016
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H335 May cause respiratory irritation. 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.

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.