



## SAFETY DATA SHEET MIDI FORTEFOG P FUMER

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

#### 1.1. Product identifier

**Product name** MIDI FORTEFOG P FUMER

#### 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 (EC/1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Sens. 1 - H317

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

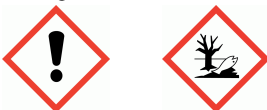
**Human health** May cause skin sensitisation or allergic reactions in sensitive individuals.

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

**Physicochemical** Product burns without a flame to give a dense white smoke.

#### 2.2. Label elements

**Pictogram**



**Signal word**

Warning

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<b>Hazard statements</b>	H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P261 Avoid breathing vapour/ spray. P501 Dispose of contents/ container in accordance with national regulations. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 Keep/ Store away from clothing/ combustible materials. P270 Do not eat, drink or smoke when using this product. P264 Wash contaminated skin thoroughly after handling. P332+P313 If skin irritation occurs: Get medical advice/ attention. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P273 Avoid release to the environment. P391 Collect spillage. P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
<b>Contains</b>	PERMETHRIN

### 2.3. Other hazards

Not known

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>PERMETHRIN</b>	<b>10-30%</b>
CAS number: 52645-53-1	EC number: 258-067-9
M factor (Acute) = 1000	M factor (Chronic) = 1000
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>POTASSIUM CHLORATE</b>	<b>10-30%</b>
CAS number: 3811-04-9	EC number: 223-289-7
<b>Classification</b>	
Ox. Sol. 1 - H271	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
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. Remove contaminated clothing immediately and dispose of safely.
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<b>Inhalation</b>	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. If feeling unwell, seek medical attention. Do not induce vomiting.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<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 immediately. Continue to rinse.

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

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

**Notes for the doctor** May cause an allergic reaction. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use high volume water jet.

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

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

**Specific hazards** In case of fire: In case of fire, toxic gases may be formed.

**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. Containers close to fire should be removed or cooled with water. Contain and collect extinguishing water.

**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. 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** Avoid contact with skin or inhalation of spillage, dust or vapour. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

## MIDI FORTEFOG P FUMER

### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Do not eat, drink or smoke when using the product.

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

**Storage precautions** Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly-closed, original container in a dry and cool place. Keep away from heat, sparks and open flame.

**Storage class** Keep in pesticide store. Physically and chemically stable for at least 2 years when stored in the original, unopened containers at ambient temperatures.

### 7.3. Specific end use(s)

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

**Usage description** Pesticide smoke generator.

## 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>

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

**Ingredient comments** When using this product, refer to the label for details. Should it be necessary to enter the treated area whilst smoke remains in the atmosphere, respiratory protective equipment and eye protection must be used (see HSE Guidance Booklet (HS)G53 'Respiratory Protective Equipment - A Practical Guide for Users')

### 8.2. Exposure controls

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

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

**Other skin and body protection** Wear apron or protective clothing in case of contact.

**Hygiene measures** Wash contaminated clothing before reuse. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection** No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and Chemical Properties

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

**Appearance** Powder

**Colour** White/off-white.

**Odour** Characteristic.

**Solubility(ies)** Slightly soluble in water.

**Auto-ignition temperature** >130°C

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### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

##### 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. No potentially hazardous reactions known.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

##### 10.5. Incompatible materials

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

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Toxicological effects** Oral LD50 (rat) 480 mg/kg Permethrin,  
Oral LD50 (rat) 1200 mg/kg Potassium Chlorate.

##### Acute toxicity - oral

**ATE oral (mg/kg)** 2,656.34

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 15,255.53

##### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 36,290.32

**ATE inhalation (vapours mg/l)** 88.71

**ATE inhalation (dusts/mists mg/l)** 9.01

**Inhalation** Smoke may cause upper airway irritation.

**Ingestion** Burning in mouth, vomiting, nausea, tremors and convulsions may occur.

**Skin contact** May cause sensitisation by skin contact.

**Eye contact** Should not cause eye irritation.

**Route of entry** Inhalation Skin and/or eye contact Ingestion.

#### SECTION 12: Ecological Information

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

##### 12.1. Toxicity

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<b>Toxicity</b>	Very toxic to aquatic organisms.
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 0.0076 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 0.00017 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 0.497 mg/l, Algae

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not readily biodegradable.

### 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

<b>General information</b>	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements. Incinerate in suitable combustion chamber.

## SECTION 14: Transport information

### 14.1. UN number

<b>UN No. (ADR/RID)</b>	3077
<b>UN No. (IMDG)</b>	3077
<b>UN No. (ICAO)</b>	3077
<b>UN No. (ADN)</b>	3077

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PERMETHRIN and POTASSIUM CHLORATE)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PERMETHRIN and POTASSIUM CHLORATE)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PERMETHRIN and POTASSIUM CHLORATE)
<b>Proper shipping name (ADN)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains PERMETHRIN and POTASSIUM CHLORATE)

### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	9
<b>ADR/RID classification code</b>	M7
<b>ADR/RID label</b>	9

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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
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

**National regulations** This product is approved under the Control of Pesticides Regulations 1986.

### 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.

**MIDI FORTEFOG P FUMER**

<b>Revision comments</b>	Section 14 updated.
<b>Issued by</b>	Group Technical Director
<b>Revision date</b>	24/08/2016
<b>Revision</b>	10
<b>Supersedes date</b>	18/07/2016
<b>SDS number</b>	20588
<b>Hazard statements in full</b>	H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed. H312 Harmful in contact with skin. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. 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.