

# SAFETY DATA SHEET MINI FORTEFOG P FUMER

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

Product name MINI FORTEFOG P FUMER

Synonyms; trade names Fortefog Mini Fumers

Container size MINI :3.5 / 5 / 7g

**UFI**: W4A0-M043-T001-FUA2

## 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 +44(0)1420 80744

christine.unsworth@pelgar.co.uk

**EU Legal Representative** PelGar International Limited 18 rue des Remparts d'Ainay 69002 Lyon, France

## 1.4. Emergency telephone number

Emergency telephone +44(0)1420 80744 (Monday - Friday 9.00am - 5pm GMT)

National emergency telephone Austria: +43 1 406 43 43 number Belgium: 070 245 245

Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342

Cyprus: 1401

Czech Republic: +420 224 919 293, +420 224 915 402

Denmark: +45 8212 1212

Estonia: 16662 Finland: 0800 147 111 France: + 33 (0)1 45 42 59 59

France. + 33 (0)1 43 42 39 39

Germany: +44 (0)1420 80744 (9am-5pm Monday- Friday GMT)

Greece: (0030) 2107793777 Hungary: +36-80-201-199 Iceland: (+354) 543 1000 / 112

Ireland: Members of Public: +353 (01) 809 2166. (8am-10pm daily) Ireland: Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

Italy: 0382-24444 Latvia: +371 67042473

Liechtenstein: +44 (0)1420 80744 (9am-5pm Monday- Friday GMT)

Lithuania: +370 (85) 2362052 Luxembourg: 8002 5500

Malta: +44 (0)1420 80744 (9am-5pm Monday- Friday GMT) Netherlands: +31(0)30 274 8888 Healthcare Professionals only

Norway: 22 59 13 00

Poland: +44 (0)1420 80744 (9am-5pm Monday- Friday GMT)

Portugal: +351 800 250 250 Romania: +40213183606 Slovakia: +421 2 5477 4166

Slovenia: 112

Spain: +34 91 562 04 20

Sweden: 112 - Begär Giftinformation

### 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 sensitisation or allergic reactions in sensitive individuals.

**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.

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

#### 2.2. Label elements

### Hazard pictograms





Signal word Warning

### MINI FORTEFOG P FUMER

Hazard statements H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements** 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 away from clothing and other combustible materials. P270 Do not eat, drink or smoke when using this product. P264 Wash contaminated skin thoroughly after handling.

P273 Avoid release to the environment.

P261 Avoid breathing dust. P261 Avoid breathing fume.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P391 Collect spillage.

P501 Dispose of contents/ container in accordance with national regulations.

Contains PERMETHRIN

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

PERMETHRIN 12.5-15%

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

POTASSIUM CHLORATE 12.5-15%

CAS number: 3811-04-9 EC number: 223-289-7

Classification

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

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical

personnel.

### MINI FORTEFOG P FUMER

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms

are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not

induce vomiting unless under the direction of medical personnel.

Skin contact It is important to remove the substance from the skin immediately. In the event of any

sensitisation symptoms developing, ensure further exposure is avoided. Remove

contamination with soap and water or recognised skin cleansing agent. Get medical attention

if symptoms are severe or persist after washing.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical

attention if any discomfort continues.

**Protection of first aiders**First aid personnel should wear appropriate protective equipment during any rescue.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

**Inhalation** No specific symptoms known.

**Ingestion** May cause sensitisation or allergic reactions in sensitive individuals.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact

may cause dryness of the skin.

Eye contact No specific symptoms known. May be slightly irritating to eyes.

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

Notes for the doctor

Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry

powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

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

Specific hazards None known.

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances:

Harmful gases or vapours.

### 5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

#### 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. No action shall be

taken without appropriate training or involving any personal risk. Do not touch or walk into

spilled material. Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the

aquatic environment.

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

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills

immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see

Section 13.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health

hazards. See Section 12 for additional information on ecological hazards. For waste disposal,

see Section 13.

### SECTION 7: Handling and storage

# 7.1. Precautions for safe handling

**Usage precautions**Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear

protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not

reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash

contaminated clothing before reuse.

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

Storage precautions Store away from incompatible materials (see Section 10). Keep only in the original container.

Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect

containers from damage.

Storage class Miscellaneous hazardous material storage.

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** 

Magnesium Carbonate TWA - 8hrs: 4 mg/m3 respirable dust; 10 mg/m3 total dust

Magnesium Silicate TWA - 8hrs: 1 mg/m3

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

Appropriate engineering

controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or

ingredients.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates

eye contact is possible.

Hand protection Chemical resistant impervious gloves or gauntlets complying with an approved standard

should be worn at all times when handling chemical products if a risk assessment indicates

this is necassary.

Other skin and body

protection

May cause skin sensitisation or allergic reactions in sensitive individuals. Wear appropriate

clothing to prevent repeated or prolonged skin contact.

Hygiene measures Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke

when using this product.

Respiratory protection Respiratory protection complying with an approved standard should be worn if a risk

assessment indicates inhalation of the concentrate is possible. Ensure all respiratory

protective equipment is suitable for its intended use and is 'CE'-marked.

Environmental exposure

controls

Odour

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to

the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

**Appearance** Powder.

**Colour** White/off-white.

Odour threshold No information available.

Characteristic.

**pH** No information available.

Melting point No information available.

**Initial boiling point and range** No information available.

Flash point No information available.

**Evaporation rate** No information available.

**Evaporation factor** No information available.

Flammability (solid, gas) No information available.

Upper/lower flammability or

explosive limits

No information available.

Other flammability

Vapour pressure

No information available.

Vapour density

No information available.

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Relative density

Bulk density

No information available.

No information available.

Solubility(ies)

Slightly soluble in water.

No information available.

Auto-ignition temperature >130°C

Decomposition TemperatureNo information available.ViscosityNo information available.

Oxidising properties Does not meet the criteria for classification as oxidising.

No information available.

#### 9.2. Other information

**Explosive properties** 

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** See the other subsections of this section for further details.

#### 10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the

prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

No potentially hazardous reactions known.

#### 10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

#### 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

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Oral LD50 (rat) 554 mg/kg Permethrin; Inhalation LC50 (rat) >4.638 mg/l Permethrin;

Oral LD50 (rat) 1200 mg/kg Potassium Chlorate.

Acute toxicity - oral

Notes (oral LD₅o) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC50) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

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Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity

**Genotoxicity - in vitro**Based on available data the classification criteria are not met.

Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

IARC carcinogenicity

None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -

development

Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not relevant. Solid.

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

**Inhalation** No specific symptoms known.

**Ingestion** May cause sensitisation or allergic reactions in sensitive individuals.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact

may cause dryness of the skin.

**Eye contact** No specific symptoms known.

Route of exposure Ingestion Inhalation Skin and/or eye contact

Target organs No specific target organs known.

Medical considerations Skin disorders and allergies.

### SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is very toxic to aquatic organisms and which may

cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

**Toxicity** Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to

aquatic life with long lasting effects.

#### Acute aquatic toxicity

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Acute toxicity - fish LC₅₀, 96 hours: 0.0076 mg/l, Fish

Acute toxicity - aquatic

invertebrates

EC<sub>50</sub>, 48 hours: 0.00017 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC<sub>50</sub>, 72 hours: 0.497 mg/l, Algae

12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

12.3. Bioaccumulative potential

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

Partition coefficient No information available.

12.4. Mobility in soil

**Mobility** No data available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Other adverse effects None known.

**Toxicity of ingredients** 

### SECTION 13: Disposal considerations

# 13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Reuse or recycle

products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product

residues and hence be potentially hazardous.

Disposal methods Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a

licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is

not feasible.

Waste class Waste disposal key number from EWC is 20 01 19 (Pesticides)

### 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 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS

(ADR/RID) PERMETHRIN, POTASSIUM CHLORATE)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS

PERMETHRIN, POTASSIUM CHLORATE)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS

PERMETHRIN, POTASSIUM CHLORATE)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS

PERMETHRIN, POTASSIUM CHLORATE)

#### 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

ICAO packing group

ADN packing group

### 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 90

(ADR/RID)

Tunnel restriction code (-)

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

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

#### MINI FORTEFOG P FUMER

National regulations Authorisation number: PCS 94546

Health and Safety at Work etc. Act 1974 (as amended).

EH40/2005 Workplace exposure limits.

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### Inventories

#### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

#### **SECTION 16: Other information**

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by

Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by

Rail.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate.

LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.

LD₅o: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC<sub>50</sub>: 50% of maximal Effective Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations

and acronyms

Skin Sens. = Skin sensitisation

Aquatic Acute = Hazardous to the aquatic environment (acute)

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

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.

Classification procedures according to Regulation (EC)

1272/2008

Skin Sens. 1 - H317: : Calculation method. Aquatic Acute 1 - H400: Aquatic Chronic 1 - H410:

: Calculation method.

**Training advice** Only trained personnel should use this material.

Revision date 09/12/2021

Revision 36

Supersedes date 07/03/2017

SDS number 20589

Hazard statements in full H271 May cause fire or explosion; strong oxidiser.

H302 Harmful if swallowed.

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.