



# Agropharm

## SAFETY DATA SHEET Eradisect Mini Fog

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

#### 1.1. Product identifier

**Product name** Eradisect Mini Fog  
**Product number** FP526BB44T

#### 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** Agropharm Limited  
Overley Hill, B5061,  
Wellington,  
Telford,  
Shropshire,  
TF65HD.  
Tel: +44 (0) 1952 740333  
Fax: +44 (0) 1952 740207  
uksales@agropharm.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** +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

**Physical hazards** Ox. Sol. 1 - H271  
**Health hazards** Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

**Classification (67/548/EEC or 1999/45/EC)** Xn;R20/22. R43. N;R50/53.

**Human health** May be harmful if swallowed or inhaled, may cause an allergic skin reaction.  
**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 harmful smoke.

#### 2.2. Label elements

## Eradisect Mini Fog

### Pictogram



### Signal word

Danger

### Hazard statements

H271 May cause fire or explosion; strong oxidiser.  
 H302+H332 Harmful if swallowed or if inhaled.  
 H317 May cause an allergic skin reaction.  
 H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P501 Dispose of contents/container in accordance with national regulations.

### Contains

POTASSIUM CHLORATE, PERMETHRIN

### Supplementary precautionary statements

P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P330 Rinse mouth.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.

### 2.3. Other hazards

Not known

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>TALC</b>	<b>30-60%</b>
CAS number: 14807-96-6	EC number: 238-877-9
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Not Classified	-
<b>POTASSIUM CHLORATE</b>	<b>10-30%</b>
CAS number: 3811-04-9	EC number: 223-289-7
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Ox. Sol. 1 - H271	O;R9 Xn;R20/22 N;R51/53
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	
Aquatic Chronic 2 - H411	

## Eradisect Mini Fog

<b>PERMETHRIN</b>	<b>10-30%</b>
CAS number: 052645-53-1	EC number: 258-067-9
M factor (Acute) = 1000	M factor (Chronic) = 1000
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R20/22 R43 N;R50/53
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Sens. 1 - H317	
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

<b>General information</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and dispose of safely.
<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. DO NOT induce vomiting. Get medical attention immediately.
<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

<b>Notes for the doctor</b>	This product contains a Pyrethoid, and MUST NOT be confused with organophosphorus compounds.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use high volume water jet.
<b>Unsuitable extinguishing media</b>	High volume water jet.

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

<b>Specific hazards</b>	In case of fire the evolution of dangerous gases is possible. Contains potassium chlorate which is classified as an oxidising agent. This will assist combustion in a fire situation.
<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.

#### 5.3. Advice for firefighters

## Eradisect Mini Fog

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water. Contain and collect extinguishing water.
<b>Special protective equipment for firefighters</b>	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

#### 7.1. Precautions for safe handling

**Usage precautions**           Read and follow manufacturer's recommendations. Avoid inhalation of dust and contact with skin and eyes. 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 - product is an insecticide of low toxicity. 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>

**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

## Eradisect Mini Fog

### Protective equipment



#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### 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

#### 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) 1479 mg/kg Permethrin,  
Oral LD50 (rat) 1260 mg/kg Potassium Chlorate.

## Eradisect Mini Fog

### Acute toxicity - oral

ATE oral (mg/kg) 1,598.2

### Acute toxicity - dermal

ATE dermal (mg/kg) 13,586.96

### Acute toxicity - inhalation

ATE inhalation (gases ppm) 13,753.06

ATE inhalation (vapours mg/l) 33.62

ATE inhalation (dusts/mists mg/l) 4.58

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

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

**Skin contact** May cause skin irritation/eczema. May cause sensitisation by skin contact.

**Eye contact** May cause temporary 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

**Toxicity** Very toxic to aquatic organisms.

**Acute toxicity - fish** LC<sub>50</sub>, 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 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

**General information** This material and its container must be disposed of in a safe way.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

## Eradisect Mini Fog

### 14.1. UN number

UN No. (ADR/RID)	3077
UN No. (IMDG)	3077
UN No. (ICAO)	3077

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

### 14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID subsidiary risk	
ADR/RID label	9
IMDG class	9
IMDG subsidiary risk	
ICAO class/division	9
ICAO subsidiary risk	

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG 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
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

## Eradisect Mini Fog

### 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

**National regulations** This product is approved under the Control of Pesticides Regulations 1986. HSE No. 7187.

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>General information</b>	This product is approved under the Control of Pesticides Regulations 1986 (as amended). 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>	Section 14 updated.
<b>Issued by</b>	Group Technical Director
<b>Revision date</b>	20/05/2015
<b>Revision</b>	4
<b>Supersedes date</b>	20/05/2015
<b>SDS number</b>	20470
<b>Risk phrases in full</b>	R20/22 Harmful by inhalation and if swallowed. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R9 Explosive when mixed with combustible material.
<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.