



SAFETY DATA SHEET

Eradisect Maxi Fog

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

1.1. Product identifier

Product name Eradisect Maxi Fog
Product number FP343EB44I

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 Maxi 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

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

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PERMETHRIN	10-30%
CAS number: 052645-53-1	EC number: 258-067-9
M factor (Acute) = 1000	M factor (Chronic) = 1000
Classification	Classification (67/548/EEC or 1999/45/EC)
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

General information	Remove affected person from source of contamination. Remove contaminated clothing immediately and dispose of safely.
Inhalation	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.
Ingestion	Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	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	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

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

5.3. Advice for firefighters

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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

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/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

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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.

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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 LC₅₀, 96 hours: 0.0076 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.00017 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 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

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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)

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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

General information	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.
Revision comments	Section 14 updated.
Issued by	Group Technical Director
Revision date	20/05/2015
Revision	2
Supersedes date	18/05/2015
SDS number	20472
Risk phrases in full	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.
Hazard statements in full	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.