



Agropharm

SAFETY DATA SHEET MINI FORTEFOG P FUMER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	MINI FORTEFOG P FUMER
SUPPLIER	Agropharm Limited Buckingham Place, Church Road, Penn, High Wycombe Bucks HP10 8LN Tel: +44 (0) 1494 816575 Factory: +44 (0)1952 740333 Fax: +44 (0) 1494 816578 sales@agropharm.co.uk
EMERGENCY TELEPHONE	+44 (0) 1952 740 333

2 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact. Harmful by inhalation and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R20/22. R43. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PERMETHRIN	258-067-9	052645-53-1	10-30%	Xn;R20/22 R43 N;R50/53
POTASSIUM CHLORATE	223-289-7	3811-04-9	10-30%	O;R9 Xn;R20/22 N;R51/53

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination. Remove contaminated clothing immediately and dispose of safely.

NOTES TO THE PHYSICIAN

This product contains a Pyrethoid, and MUST NOT be confused with organophosphorus compounds.

INHALATION

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. 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

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water.

UNUSUAL FIRE & EXPLOSION 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.

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PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

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 spillage in containers, seal securely and deliver for disposal according to local regulations. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Does not require specific handling. Avoid inhalation of dust, or contact with eyes, as dusty material. Do not eat, drink or smoke when using the product.

USAGE DESCRIPTION

Pesticide smoke generator.

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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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')

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

No recommendation is given, but respiratory protection maybe required in confined spaces or on entering treated area immediately after application.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

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

SKIN PROTECTION

Wear appropriate protective clothing to prevent skin exposure.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder
COLOUR	White / off-white
ODOUR	Characteristic
SOLUBILITY	Slightly soluble in water.
AUTO IGNITION TEMPERATURE (°C)	>130

MINI FORTEFOG P FUMER**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight.

MATERIALS TO AVOID

Flammable/combustible material.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

Oral LD50 (rat) 1479 mg/kg Permethrin,

Oral LD50 (rat) 1260 mg/kg Potassium Chlorate.

INHALATION

Smoke may cause upper airway irritation.

INGESTION

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

SKIN CONTACT

Sensations of transient skin irritation may occur.

EYE CONTACT

Transient eye irritation may occur.

ROUTE OF ENTRY

Inhalation, skin contact and ingestion.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l 0.0076

EC 50, 48 Hrs, DAPHNIA, mg/l 0.00017

IC 50, 72 Hrs, ALGAE, mg/l 0.497

DEGRADABILITY

Not readily bio-degradable.

ACUTE FISH TOXICITY

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

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

14 TRANSPORT INFORMATION

UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIROMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)		
UN NO. ROAD	3077	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III		

MINI FORTEFOG P FUMER

HAZARD NO. (ADR)	90 Environmentally hazardous substance; miscellaneous dangerous substances.	HAZCHEM CODE	90
CEFIC TEC(R) NO.	90GM7-III	RID CLASS NO.	9
RID PACK GROUP	III	UN NO. SEA	3077
IMDG CLASS	9	IMDG PACK GR.	III
EMS	F-A, S-F	MARINE POLLUTANT	



UN NO. AIR	3077	AIR CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS PERMETHRIN

RISK PHRASES

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.

SAFETY PHRASES

S2	Keep out of the reach of children
S13	Keep away from food, drink and animal feeding stuffs.
S16	Keep away from sources of ignition - No smoking.
S20/21	When using do not eat, drink or smoke.
S23	Do not breathe smoke/fumes.
S24	Avoid contact with skin.
S35	This material and its container must be disposed of in a safe way.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S57	Use appropriate containment to avoid environmental contamination.

UK REGULATORY REFERENCES

This product is approved under the Control of Pesticides Regulations 1986 HSE No. 7901.

16 OTHER INFORMATION

GENERAL INFORMATION

This product is approved under the Control of Pesticides Regulations 1986 (as amended).

REVISION COMMENTS

Safety phrase update.

ISSUED BY

K. Jones.

REVISION DATE 03/07/2008

REV. NO./REPL. SDS GENERATED 2

DATE 30/11/2007

MINI FORTEFOG P FUMER

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.

DISCLAIMER

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.