



**SAFETY DATA SHEET
AGROTHRIN**

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

PRODUCT NAME AGROTHRIN
 PRODUCT NO. FP075
 SUPPLIER Agropharm Limited
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2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) N;R50/53.
 CLASSIFICATION (EC 1272/2008)
 Physical Not classified.
 Health Not classified.
 Environmental Aquatic Acute 1 - H400;Aquatic Chronic 1 - H410
 LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Warning
 HAZARD STATEMENTS
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 PRECAUTIONARY STATEMENTS
 P273 Avoid release to the environment.
 SUPPLEMENTARY PRECAUTIONARY STATEMENTS
 P391 Collect spillage.
 P501 Dispose of contents/container to ...

ENVIRONMENT

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

PIPERONYL BUTOXIDE	1-5%
CAS-No.: 51-03-6	EC No.: 200-076-7
CLASSIFICATION (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	CLASSIFICATION (67/548) N;R50/53.

AGROTHRIN

PYRETHRINS INCLUDING CINERINS		< 1%
CAS-No.: 8003-34-7	EC No.: 232-319-8	
CLASSIFICATION (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	CLASSIFICATION (67/548) Xn;R20/21/22. N;R50/53.	
TALC		60-100%
CAS-No.: 14807-96-6	EC No.: 238-877-9	
		CLASSIFICATION (67/548) -

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

4 FIRST-AID MEASURES**GENERAL INFORMATION**

Those with a history of allergic dermatitis/asthma/hay fever should not handle pyrethrum based powders.

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. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

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 if any discomfort continues.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide, dry powder or water fog.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours.

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 onto the ground or into water courses.

SPILL CLEAN UP METHODS

Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

STORAGE CLASS

Miscellaneous hazardous material storage.

AGROTHRIN**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
PYRETHRINS INCLUDING CINERINS	WEL		1 mg/m ³			
TALC			1 mg/m ³			

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust
COLOUR	Grey
ODOUR	Slight odour
SOLUBILITY	Slightly soluble in water.

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Not relevant.

HAZARDOUS POLYMERISATION

Will not polymerise.

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

Pyrethrins: LD50 rat (oral) 900-2000 mg/kg. LD50 rat (dermal) >1500 mg/kg. Piperonyl Butoxide: LD50 rat (oral) 7500 mg/kg.

INHALATION

Dust may irritate respiratory system or lungs.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Powder may irritate skin.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION**ACUTE FISH TOXICITY**

Pyrethrum is toxic to aquatic organisms, but product has a low solubility.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

AGROTHRIN

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PIPERONYL BUTOXIDE, PYRETHRINS INCLUDING CINERINS)		
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	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	90	ADR LABEL NO.	9
HAZCHEM CODE	2Z	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
UN NO. AIR	3077	AIR CLASS	9
AIR PACK GR.	III		

15 REGULATORY INFORMATION

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.

REVISION COMMENTS

Safety phrase update.

REVISION DATE 29/03/2011

REV. NO./REPL. SDS GENERATED 6

DATE 29/03/2011

RISK PHRASES IN FULL

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

NC Not classified.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HAZARD STATEMENTS IN FULL

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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 a 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.