



Agropharm

SAFETY DATA SHEET PYRETHRUM 5EC

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

PRODUCT NAME	PYRETHRUM 5EC
PRODUCT NO.	FP537
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

Risk of serious damage to eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R41. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
Alkoxylate			10-30%	R52/53.
KEROSINE (PETROLEUM), SOLVENT-REFINED SWEETENED; KEROSINE - UNSPECI	295-416-4	92045-36-8	10-30%	Xn;R65
ODOURLESS KEROSINE	294-799-5	91770-15-9	10-30%	Xn;R65.
PIPERONYL BUTOXIDE	200-076-7	51-03-6	10-30%	N;R50/53.
PYRETHRINS INCLUDING CINERINS			5-10%	Xn;R20/21/22 N;R50/53
SODIUM DIALKYL SULFOSUCCINATE	209-406-4	577-11-7	10-30%	Xi;R38,R41.

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once.

INGESTION

DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Wash skin thoroughly with soap and water.

EYE CONTACT

Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. Dike and collect extinguishing water. If risk of water pollution occurs, notify appropriate authorities.

PYRETHRUM 5EC

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS

By heating and fire, toxic vapours/gases may be formed. By heating and fire, irritating vapours/gases may be formed.

6 ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PYRETHRINS INCLUDING CINERINS			5 mg/m3		10 mg/m3

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Protective gloves are recommended.

EYE PROTECTION

Use eye protection.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Brown		
ODOUR	Slight odour		
SOLUBILITY	Miscible with water.		
RELATIVE DENSITY	0.98-0.99	pH-VALUE, CONC. SOLUTION	6.6
pH-VALUE, DILUTED SOLUTION	7.4(diluted 1:40 Tap Water)		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50	Pyrethrins: 900-2000 mg/kg (oral rat)
TOXIC DOSE 2 - LD 50	Piperonyl Butoxide: 7500 mg/kg (oral rat)

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause irritation to throat and stomach.

PYRETHRUM 5EC

SKIN CONTACT

Liquid may irritate skin. Prolonged contact may cause redness, irritation and dry skin.

EYE CONTACT

Irritating and may cause redness and pain.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is harmful to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

This material and its container must be disposed of in a safe way. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PIPERONYL BUTOXIDE, PYRETHRINS INCLUDING CINERINS)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD NO. (ADR)	90 Environmentally hazardous substance; miscellaneous dangerous substances.
	90	ADR LABEL NO.	9
HAZCHEM CODE	3Z	CEFIC TEC(R) NO.	90GM6-III
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
MARINE POLLUTANT	No.	UN NO. AIR	3082
AIR CLASS	9	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Irritant



Dangerous for the environment

RISK PHRASES

R41	Risk of serious damage to eyes.
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.
S20/21	When using do not eat, drink or smoke.
S23	Do not breathe vapour/spray.

PYRETHRUM 5EC

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S39	Wear eye/face protection.
S57	Use appropriate containment to avoid environmental contamination.

16 OTHER INFORMATION

REVISION COMMENTS

Safety phrase update.

ISSUED BY

K. Jones.

REVISION DATE

12/06/2008

DATE

17/06/2006

RISK PHRASES IN FULL

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

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.