

# Barrettine

## SAFETY DATA SHEET

### FlyMax

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

PRODUCT NAME	FlyMax
CHEMICAL NAME	m-phenoxybenzyl 3-(2, 2-dichlorovinyl)-2, 2-dimethylcyclopropanecarboxylate
APPLICATION	Permethrin based insecticide
SUPPLIER	Barrettine Barrettine Works St Ivel Way Warmley Bristol BS30 8TY Tel: 0117 960 0060 Fax: 0117 935 2437 sales@barrettine.co.uk
EMERGENCY TELEPHONE	0870 190 6777

#### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xn;R65. N;R50/53. R66.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	EUH066; Asp. Tox. 1 - H304
Environment	Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD	Danger
CONTAINS	De-aromatised Mineral Spirits 175 - 220

HAZARD STATEMENTS

H304	May be fatal if swallowed and enters airways.
H410	Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

P273	Avoid release to the environment.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P305+351+338+313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local regulations.

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## SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P332+313	If skin irritation occurs: Get medical advice/attention.
P405	Store locked up.
Supplemental Label Information (EU)	
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208e	Contains Permethrin. May produce an allergic reaction.

## ENVIRONMENT

Use this product only according to the directions on the container or label. Contains Permethrin which may be hazardous to bees and aquatic life if used incorrectly.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

De-aromatised Mineral Spirits 175 - 220	>98%
CAS-No.: 64742-48-9	EC No.: 265-150-3
Classification (EC 1272/2008) EUH066 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. R66.
PERMETHRIN	0.23%
CAS-No.: 52645-53-1	EC No.: 258-067-9
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R20/22 R43 N;R50/53

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

## 4 FIRST-AID MEASURES

### GENERAL INFORMATION

Remove affected person from source of exposure. Get medical attention if any discomfort continues.

### INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

### INGESTION

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If patient vomits keep head low to prevent vomit entering lungs. If conscious give 1 - 2 glasses of water to drink.

Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

### SKIN CONTACT

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

### EYE CONTACT

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get immediate medical attention.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use foam, or water fog, mist or spray. Do not use high pressure water jet as this may spread burning material.

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## UNUSUAL FIRE & EXPLOSION HAZARDS

None known.

## PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Ventilate to dispel any residual vapour. Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear (see section 8).

### ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses. Cover all drains and sewers. Avoid spreading spilled material.

### SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Flushings must not be allowed to contaminate ground or enter drains, sewers or watercourses.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Use only in well ventilated areas. Avoid spilling, skin and eye contact. Do not breathe vapours or fumes. Keep away from heat and sources of ignition such as sparks or flames. Take precautions against static discharge. Wash thoroughly after handling.

### STORAGE PRECAUTIONS

Keep out of the reach of children. Keep away from all possible sources of ignition.

Store in tightly closed containers in segregated, cool, dry, ventilated storage. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
De-aromatised Mineral Spirits 175 - 220	SUP		1200 mg/m <sup>3</sup>			

### STD

OES = UK Occupational Exposure Standard (EH40/2002)

### PROCESS CONDITIONS

Provide eyewash station.

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

When air-filtering respirators are suitable a filter for organic gases with a boiling point above 65°C meeting EN141 should be used in combination with a correctly fitted mask.

### HAND PROTECTION

Wear suitable protective gloves conforming to EN 374.

The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. The UK HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests.

Seek advice from the manufacturer or supplier.

Personal hygiene is a major factor in effective hand care. Gloves should only be worn on clean hands. After using gloves, hands should be washed and thoroughly dried and a non-perfumed moisturiser applied.

### EYE PROTECTION

Wear tightly fitting safety goggles conforming to EN 166.

### OTHER PROTECTION

Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly.

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## HYGIENE MEASURES

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Contaminated work clothes should be removed and laundered before re-use.

## ENVIRONMENTAL EXPOSURE CONTROLS

Minimise release to the environment. An appropriate environmental assessment must be made to ensure local legal compliance.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear colourless liquid.
ODOUR	Hydrocarbon solvent.
SOLUBILITY	Insoluble in water
BOILING POINT (°C)	175 - 215 °C at 760 mmHg
RELATIVE DENSITY	0.78 - 0.81 15°C.
VAPOUR DENSITY (air=1)	>3
VAPOUR PRESSURE	30 - 93 Pa 0°C.
EVAPORATION RATE	0.04 (nBuAc = 1)
VISCOSITY	1.7 cSt 25°C.
FLASH POINT (°C)	61 - 66°C. PM Closed cup.
AUTO IGNITION	235 - 315°C.
TEMPERATURE (°C)	
FLAMMABILITY LIMIT - LOWER(%)	0.7
FLAMMABILITY LIMIT - UPPER(%)	6.0
VOLATILE ORGANIC COMPOUND (VOC)	85 % (EC/1999/13)

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal conditions of storage and use. See section 7.

### CONDITIONS TO AVOID

Avoid temperature extremes when storing and using, ideally between 0 and 38°C.

### MATERIALS TO AVOID

Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Decomposition can lead to the formation of toxic gases or fumes, including carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

Limited data is available for this preparation as supplied. Classified according to the calculation procedure of the EC Classification, Labelling & Packaging Regulation using available data and information about individual components.

#### INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

#### INGESTION

If ingested as supplied may cause stomach discomfort, nausea or vomiting.

#### SKIN CONTACT

Irritating to skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

#### EYE CONTACT

Irritating to eyes.

#### OTHER HEALTH EFFECTS

Not known to be carcinogenic. Not known to be mutagenic.

## 12 ECOLOGICAL INFORMATION

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## ECOTOXICITY

Environmental effects of this preparation are based on assessment of the ingredients. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC 50, 96 Hrs, FISH mg/l 0.0054 (Brown trout)

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

## MOBILITY

Moderately volatile liquid which may spread given a large surface area of water.

## BIOACCUMULATION

Expected to bioaccumulate.

## DEGRADABILITY

The product is not biodegradable.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Empty unlaundered containers must be treated in the same manner as when full; labels should not be removed. Product is hazardous waste. Do not allow into drains, sewers or water courses.

Disposal must be by means of a licensed waste contractor.

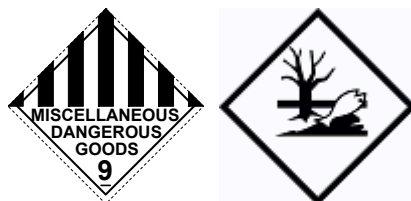
### DISPOSAL METHODS

Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

### WASTE CLASS

Hazard code: H5 - Harmful H14 - Ecotoxic

## 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERMETHRIN)
UN NO. ROAD	3082
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	3Z
UN NO. SEA	3082
IMDG CLASS	9
IMDG PACK GR.	III
EMS	F-A, S-F
UN NO. AIR	3082
AIR CLASS	9
AIR PACK GR.	III

## 15 REGULATORY INFORMATION

### EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substances Directive 67/548/EEC.

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Dangerous Preparations Directive 1999/45/EC.

EC Directive 75/324 on aerosol dispensers (as amended 94/1/EC and 2008/47/EC).

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH) Refer to Revised guidance 6th Edition 2013 <http://www.hse.gov.uk/pubns/priced/l15.pdf>

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Environmental Protection (Duty of Care) Regulations.

## APPROVED CODE OF PRACTICE

Approved Classification and Labelling guide (Sixth edition). Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4). HSE Books, or download at: <http://www.hse.gov.uk/pubns/books/l131.htm>

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance. Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l15.pdf>

## GUIDANCE NOTES

COSHH essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at <http://www.hse.gov.uk/pubns/guidance/index.htm>

Statutory conditions of use

## FOR USE ONLY BY PROFESSIONAL OPERATORS.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. Wear suitable protective clothing and suitable gloves. AVOID EXCESSIVE

CONTAMINATION OF COVERALLS AND LAUNDRER REGULARLY. DO NOT BREATHE FOG OR SPRAY MIST. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS (G) 53 "Respiratory Protective Equipment- a practical guide for users"). However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES. KEEP AWAY FROM TREATED SURFACES UNTIL DRY.

This material and its container must be disposed of in a safe way. Do not empty into drains. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. Use only in well ventilated areas. REMOVE OR COVER ALL FISH TANKS AND BOWLS before application. This product contains substances which are known to be hazardous to the environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

ALL BATS ARE PROTECTED UNDER THE WILDLIFE AND COUNTRYSIDE ACT 1981. BEFORE TREATING ANY STRUCTURE USED BY BATS, CONSULT NATURAL ENGLAND, SCOTTISH NATURAL HERITAGE OR THE COUNTRYSIDE COUNCIL FOR WALES. DO NOT APPLY DIRECT TO ANIMALS. EXCLUDE ANIMALS DURING APPLICATION. HAZARDOUS TO BEES. EXCLUDE ALL PERSONS AND ANIMALS DURING TREATMENT. DO NOT APPLY DIRECTLY TO LIVESTOCK AND POULTRY. Protect milk machinery and milk containers from contamination.

THIS PRODUCT IS APPROVED UNDER THE CONTROL OF PESTICIDE REGULATIONS 1986 FOR USE AS DIRECTED READ ALL PRECAUTIONS BEFORE USE HSE NO.8903

## 16 OTHER INFORMATION

### INFORMATION SOURCES

Classification & Labelling derived by consideration of available REACH Registration data, CLP Classification Inventory and Supplier's safety data sheet.

### REVISION COMMENTS

New format SDS, including classification to CLP (EC 1272/2008).

REVISION DATE 10-July-2014

SDS NO. 10461

### HAZARD STATEMENTS IN FULL

EUH066 Repeated exposure may cause skin dryness or cracking. , H302 Harmful if swallowed. , H304 May be fatal if swallowed and enters airways. , 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.

### 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.