



SAFETY DATA SHEET

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Cimetrol (HSE No.:7453)

Revision 3
Revision date 10-Sep-2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Cimetrol
Company PelGar International Ltd
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www.pelgar.co.uk
Telephone Tel +44 (0) 1420 80744
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Emergency telephone number Tel +44 (0) 1420 80744
Product code 304
Intended use Insecticide for professional use only.

2 HAZARDS IDENTIFICATION.

Main hazards Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful if swallowed. May cause tingling or numbness in exposed areas (paraesthesia)

3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
propane-1,2-diol	1 - 10%	57-55-6	200-338-0	
Pyriproxyfen	1.96%	95737-68-1	94-04-069500	N; R50/53
Solvent Naphtha (petroleum), Heavy aromatic	1 - 10%	64742-94-5	268-198-5	N;R51/53 Xn;R65 R66 R67
Benzisothiazolin-3-one	< 0.1%	2634-33-5	220-120-9	Xn;R22 Xi;R38 Xi;R41 Xi;R43 N;R50
C9 - C11 alcohol with 8 moles of ethylene oxide	1 - 10%	68439-45-2		Xn;R22 Xi;R41
Primary alcohol ethoxylate	1 - 10%	68439-45-2		Xi;R41
α -Cypermethrin	4.84%	67375-30-8	257-842-9	T; R25 Xn; R48/22 Xi; R37 N; R50/53
Tetramethrin	5.05%	7696-12-0	231-711-6	N; R50/53
Silicon Dioxide	1 - 10%	7631-86-9	231-545-4	

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4. FIRST AID MEASURES

Skin contact	May cause skin irritation in susceptible persons. Remove contaminated clothing. Wash off immediately with plenty of soap and water. If irritation persists obtain medical attention. Contaminated clothing should be washed and dried before re-use.
Eye contact	May cause eye irritation of susceptible persons. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. If irritation persists obtain medical attention.
Inhalation	Inhalation of mist or spray, may cause irritation of the respiratory system. Move the exposed person to fresh air. Obtain medical advice immediately.
Ingestion	Harmful if swallowed. DO NOT INDUCE VOMITING. If conscious give a small amount of water to drink and obtain medical attention. Show the container label or this safety data sheet to the doctor.
General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Contains a synthetic pyrethroid that can cause skin and eye irritation and paraesthesia (tingling and numbness in exposed areas).

5. FIRE FIGHTING MEASURES

Extinguishing media	The product does not burn. Keep fire exposed containers cool by spraying with water if exposed to fire. Fight surrounding fire with dry chemical, foam or water spray.
Fire hazards	This product is not flammable. However, toxic fumes may be evolved in the event of fire.
Protective equipment	Wear self-contained breathing apparatus, a chemical protection suit, suitable gloves and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear suitable protective clothing, gloves and eye/face protection. See section 8.
Environmental precautions	Prevent further spillage if safe. Contain or absorb leaking liquid with earth or sand. Do not allow product to enter drains. If substance has entered a watercourse or sewer or contaminated soil or vegetation, inform the appropriate authority.
Clean up methods	Absorb with inert, absorbent material. Transfer to a suitably labelled container. Subsequently, wash the contaminated area with water, or detergent and water, taking care to prevent the washings from entering surface water drains.

7. HANDLING AND STORAGE

Handling	If splashing is likely to occur wear approved eye protection. If spray mists are likely, wear a suitable approved respirator. If skin contact is likely to occur wear rubber gloves and suitable impervious protective clothing. Use in a well ventilated area where possible. Always use good personal hygiene procedures when handling chemicals. Do not eat, drink or smoke in areas where this product is used or stored. Wash hands, face and exposed skin before meals after using and before eating, drinking or smoking. Read the label before use.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food and animal feedstuffs.
Specific use	Insecticide for professional use only.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Silicon dioxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 6 (total dust) 2.4 (resp irable dust) WEL 15 min limit mg/m ³ : -
propane-1,2-diol (Propane-1,2-diol particulates)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -
propane-1,2-diol (Propane-1,2-diol total vapour and particulates)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 474 WEL 15 min limit mg/m ³ : -
Solvent Naphtha (petroleum), Heavy aromatic	WEL 8-hr limit ppm: 25 (for trimethyl benzene) WEL 15 min limit ppm:	WEL 8-hr limit mg/m ³ : 125 (for trimethyl benzene) WEL 15 min limit mg/m ³ :

Respiratory protection	Suitable approved respirator if exposed to spray mists.
Hand protection	Rubber or plastic gloves.
Eye protection	If splashes are likely to occur, wear: approved safety goggles.
Protective equipment	Impervious clothing. Boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	White.
Odour	Characteristic.
pH	No Data
Boiling point	No Data
Flash point	> 65°C
Explosive	Not applicable
Oxidising	Not applicable
Vapour pressure	Not available
Relative density	1.05 - 1.35
Partition coefficient	No Data
Melting point	No Data
Autoignition temperature	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, sparks and open flames.
Hazardous decomposition products	Combustion or thermal decomposition will produce toxic and irritant fumes.

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11. TOXICOLOGICAL INFORMATION

Toxicological information	Contains a synthetic pyrethroid that can cause skin and eye irritation and paraesthesia (tingling and numbness in exposed areas).
Pyriproxyfen	Dermal Rat LD50 = > 2000 mg/kg Oral Rat LD50 = > 5000 mg/kg
a-Cypermethrin	Dermal Rat LD50 = > 2000 mg/kg Oral Rat LD50 = 339.9 mg/kg Dermal Rabbit LD50 = > 2000 mg/kg Inhalation Rat LC50 = 0.421 mg/l
Tetramethrin	Dermal Rat LD50 = > 2000 mg/kg Oral Rat LD50 = > 5000 mg/kg
Acute toxicity	ORL RAT LD50 > 2000 mg/kg (calculated). DERMAL RAT LD50 > 5000 mg/kg (rat). (calculated).
Corrosivity	No irritation expected.
Sensitization	May cause sensitisation of susceptible persons by skin contact or by inhalation of spray mist.
Repeated or prolonged exposure	Repeated or prolonged skin contact may cause skin irritation and sensitisation of susceptible persons.
Mutagenic effects	Not available.
Carcinogenic effects	Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Pyriproxyfen	Daphnia LC50/48h = 0.4 mg/l Rainbow trout LC50/96h = 0.33 - 0.37 mg/l Algae IC50/72h = 0.064 mg/l
a-Cypermethrin	Daphnia EC50/24h = 0.0003 mg/l Rainbow trout LC50/96h = 0.0028 mg/l
Tetramethrin	Daphnia LC50/48h = 0.110 mg/l Bluegill sunfish LC50/96h = 0.016 mg/l
Further Information	This product must not enter water discharge system. Inform appropriate authority if large spillage enters drains.

13. DISPOSAL CONSIDERATIONS

General information	Dispose of as special waste in compliance with local and national regulations.
Disposal of packaging	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Once the product residues adhering to the walls of the containers have been rendered harmless, the product and hazard labels must be invalidated.

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14. TRANSPORT INFORMATION

ADR/RID

UN 3082

Class 9

Packing group III

Hazard ID 90

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS

SUBSTANCE, LIQUID, N.O.S,

(Contains alpha-cypermethrin ,
tetramethrin and pyriproxyfen) .

IMDG

UN 3082

Class 9

EmS Code F-A S-F

Packing group III

Marine pollutant .YES

IATA

UN 3082

Class 9

Packing Instruction 914

(Cargo)

Packing Instruction 914

(Passenger)

Packing group III

Subsidiary risk -

Maximum quantity 450 L

Maximum quantity 450 L

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15. REGULATORY INFORMATION

Symbols

Xn - Harmful; N - Dangerous for the environment



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Risk phrases

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

R22 - Harmful if swallowed.

Safety phrases

To avoid risks to man and the environment, comply with the instructions for use.

S23 - Do not breathe gas/fumes/vapour/spray.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29 - Do not empty into drains.

S37/39 - Wear suitable gloves and eye/face protection.

S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Statutory Conditions relating to use

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. Maximum Dose, 50 ml per 5 litres water per 100 square metres sprayable surface. 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 (coveralls) and synthetic rubber/pvc gloves when using. Avoid excessive contamination of coveralls and launder regularly. Do not breathe the 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 that they provide an equal or higher standard of protection. Do not contaminate foodstuffs, eating utensils or food contact surfaces. Cover water storage tanks before application. This material and its container must be disposed of in a safe way. For indoor use only. Unprotected persons and animals should be kept away from the treated areas until surfaces are dry. Do not apply directly to animals. Extremely dangerous to fish and other aquatic life. Remove or cover fish tanks and bowls before application. Do not apply to clothing or bedding. Spray only onto surfaces.

READ ALL PRECAUTIONS BEFORE USE.

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16. OTHER INFORMATION

Text of risk phrases in Section 3.	R22 - Harmful if swallowed. R25 - Toxic if swallowed. R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed. R50 - Very toxic to aquatic organisms. 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. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Restricted use	Insecticide for professional use only.
Data sources	CHIP 2002 EH40 Raw material suppliers Safety Data Sheets.
Replaces	Revision 2. Changes to section 2, 3, 4, 11, 12, 13 15 and 16