

**Safety Data Sheet**  
**Cimetrol**



**International**

This version issued: May, 2015

**1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Cimetrol**

**Relevant identified uses of the substance or mixture**

Relevant identified uses: biocidal product

**The supplier of the safety data sheet is PelGar International Ltd**

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**2 – HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Acute toxicity, Oral (Category 4)

Acute toxicity, Inhalation (Category 4)

Skin Sensitizer (Category 1)



Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

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**Labelling of special preparations (GHS):** May cause paraesthesia as this mixture contains Alpha-cypermethrin.

Label elements : Labelling according Regulation (EC) No 1272/2008 [CLP]		
Signal Word : Warning		
  	<p>Hazard statement(s) :</p> <p>H302</p> <p>H317</p> <p>H332</p> <p>H373</p> <p>H410</p> <p>EUH401</p> <p>Precautionary statement(s) :</p> <p>P280</p> <p>P261</p> <p>P262</p> <p>P264</p> <p>P270</p> <p>P273</p> <p>P301 + P310</p> <p>P501</p>	<p>Harmful if swallowed.</p> <p>May cause an allergic skin reaction.</p> <p>Harmful if inhaled.</p> <p>May cause damage to central nervous system through prolonged or repeated exposure.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Avoid breathing mist/ spray.</p> <p>Do not get in eyes, on skin, or on clothing</p> <p>Wash thoroughly after handling.</p> <p>Do not eat drink or smoke while using this product.</p> <p>Avoid release to the environment.</p> <p>IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.</p> <p>Dispose of contents/container in accordance with local regulations.</p>

### Chemical nature

Biocidal product

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### 3 – COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients (GHS) according to Regulation (EC) No. 1272/2008

Alpha-Cypermethrin	
Content (W/W): 1 - 10 % CAS Number: 67375-30-8 EC-No. 257-842-9	Acute Toxicity, Oral, Cat 4 Acute Toxicity, Inhalation, Cat 3 STOT SE, Cat 3 (Respiratory Irritant) STOT RE, Cat 2 (CNS damage) Aquatic Acute, Cat 1 Aquatic Chronic, Cat 1 H301, H410, H335, H373

1,2-Benzisothiazolin-3-one	
Content (W/W): <0.5 % CAS Number: 2634-33-5 EC No. 220-120-9	Acute Toxic, Oral, Cat 4 Skin Irritant, Cat 2 Eye Damage, Cat 1 Skin Sensitizer Cat 1 Aquatic Acute Toxicity, Cat 1 H302, H315, H317, H318, H400

Tetramethrin	
Content (W/W): 1 - 10 % CAS Number: 7696-12-0 EC No.: 231-711-6	Aquatic Acute toxicity, Cat 1 Aquatic Chronic toxicity, Cat1 H400, H410

Pyriproxifen	
Content (W/W): 1 - 10 % CAS Number: 95737-68-1 EC No. 429-800-1	Aquatic Acute Toxicity, Cat 1 Aquatic Chronic toxicity, Cat 1 H410

### 4 – FIRST-AID MEASURES

#### Description of first aid measures

**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 irritation and paraesthesia (tingling and numbness in exposed areas).

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**After inhalation:** Inhalation of mist or spray, may cause irritation of the respiratory system. Move the exposed person to fresh air. Obtain medical advice immediately. Exposure can cause numbness, tingling and weakness in extremities. The chemical, physical and toxicological properties have not been thoroughly investigated.

**After 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.

**After 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.

**After swallowing:**

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.

### **5 – FIRE FIGHTING MEASURES**

The product is not combustible.

**Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture:** Formation of toxic gases may occur if heated such as carbon oxides, nitrogen oxides and hydrogen chloride gas.

### **6 – ACCIDENTAL RELEASE MEASURES**

**Protective equipment:** Wear self-contained respiratory protective device and eye and face protection.

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**Environmental precautions:** Do not allow to enter sewers/ surface or ground water. Inform appropriate authorities in case of leakage into water course or sewage system.

**Methods and material for containment and cleaning up:** Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### **Reference to other sections**

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## **7 – HANDLING AND STORAGE**

Insecticide for professional use only.

### **Handling**

**Precautions for safe 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. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Avoid contact with skin and eyes and avoid inhalation of spray or mist.

### **Storage**

Store in a cool, dry location. Store only in the original receptacle. Keep container in a well-ventilated place. Keep away from sources of heat.

Store away from foodstuffs. Recommended storage temperature between 15 – 25 DegC.

### **Protection against fire and explosion:**

No special precautions necessary. The product is non-combustible. Product is not explosive.

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### 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Exposure limits

Xanthan Gum	PEL 8-hr TWA mg/m <sup>3</sup> : 15 (Total dust) 5 (Respirable dust)
Propylene Glycol	WEL 8-hr limit mg/m <sup>3</sup> : 10

#### Exposure controls

**Personal protective equipment:** Impervious clothing and boots. Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

#### Hand protection:

Suitable chemical resistant safety gloves. For example, nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm). Dispose of used gloves in accordance with applicable regulations. The selected protective gloves need to satisfy the specifications of EU directive 89/686/EEC and the standard EN374 derived from it.

#### Eye protection:

Face shield and safety glasses with side-shields approved under EN166(EU) standard.

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots, chemical-protection suit.

#### General safety and hygiene measures:

Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

### 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

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Colour: White

Odour: Characteristic

pH: No data

B.Pt (Deg. C): No data

M. Pt. (Deg. C): Not applicable

Flash Point (Deg. C): >65 Deg C

Auto Ignition Temp (Deg. C): Not applicable

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

Relative Density: 1.05 – 1.35

Solubility (Water): Not applicable

Partition coefficient: No data

### 10 – STABILITY AND REACTIVITY

#### **Reactivity**

Stable under normal conditions.

#### **Chemical stability**

Stable under normal conditions.

**Thermal decomposition / conditions to be avoided:** The formation of toxic gases/vapours may occur if heated.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** Heat.

**Incompatible materials:** None known.

### 11 – TOXICOLOGICAL INFORMATION

The toxic effects of Alpha-cypermethrin are given in sections 2 and 3.

Alpha-cypermethrin is classified by the WHO as Moderately Hazardous (class II). The toxicity depends on the cis:trans isomer ratio and on the vehicle used in administration.

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### The most frequent toxicity symptoms are:

Ataxia (uncoordinated movements)

Hyper reactivity (exaggerated reaction to stimuli)

Tremor (uncoordinated trembling or shaking movements)

Paraesthesia (skin sensation of tingling, tickling, prickling)

Exhaustion (lethargy, fatigue)

Hyper salivation (drooling)

Vomiting

Diarrhoea

Urinary incontinence

Long term exposure to alpha-cypermethrin may cause liver changes.

Pyriproxifen	Dermal Rat LD50 >2000 mg/kg Oral Rat LD50 >5000 mg/kg
Alpha-cypermethrin	Dermal Rat LD50 >2000 mg/kg Oral Rat LD50 = 339.9 mg/kg Inhalation Rat LC50 = 0.854 mg/l
Tetramethrin	Dermal Rat LD50 >2000 mg/kg Oral Rat LD50 >5000 mg/kg
1,2-Benzisothiazolin-3-one	Oral Rat LD50 = 1020 mg/kg

### **Skin corrosion/irritation**

No corrosive or irritation effects expected.

### **Serious eye damage/eye irritation**

No data available

### **Respiratory or skin sensitizer**

Harmful if inhaled. May cause sensitization of susceptible people by skin contact or by inhalation of spray mist.



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### Germ cell mutagenicity

Not Mutagenic

### Carcinogenicity

Not Carcinogenic

### Specific target organ toxicity

May cause damage to central nervous system through prolonged or repeated exposure.

## 12 – ECOLOGICAL INFORMATION

Alpha-cypermethrin and Tetramethrin are broad-spectrum insecticide, which means they kill beneficial insects and animals as well as the targeted insects. Fish are particularly susceptible to them.

Pyriproxifen	Daphnia LC50/48h = 0.4 mg/l
	Rainbow trout LC50/96h = 0.33 – 0.37 mg/l
	Algae LC50/72h = 0.064 mg/l

Alpha-cypermethrin	Daphnia EC50/24h = 0.0003 mg/l
	Rainbow trout LC50/96h = 0.0028 mg/l

Tetramethrin	Daphnia LC50/48h = 0.11 mg/l
	Bluegill sunfish LC50/96h = 0.016 mg/l

**Persistence and degradability:** No further relevant information available.

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Ecotoxicological effects:** Very toxic to fish

### Additional ecological information:

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Poses a contamination danger to drinking water. Also very toxic to other aquatic organisms such as plankton.

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### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

## 13 – DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Recommendation

Do not allow product to reach sewage system.

#### European waste catalogue

The waste disposal key number from EWC is 20 01 19 (pesticides).

**Recommendation:** Dispose of in accordance with national regulations.

**Contaminated packaging:** Dispose of as unused product.

## 14– TRANSPORT INFORMATION

### ADR/RID

**UN Number:** UN3082

**Class:** Class 9

**Packing group:** Packing group III

**Hazard ID:** 90

**Proper shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S.  
(contains Alpha-cypermethrin, Pyriproxifen and Tetramethrin)

### IMDG

**UN Number:** UN3082

**Class:** Class 9

**Packing group:** Packing group III

Marine Pollutant

**EMS Code:** F-A, S-F

**Proper shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S.  
(contains Alpha-cypermethrin, Pyriproxifen and Tetramethrin)

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**IATA/ICAO**

**UN Number:** UN3082

**Class:** Class 9

**Packing group:** Packing group III

**Proper shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S.  
(contains Alpha-cypermethrin, Pyriproxifen and Tetramethrin)

### 15– REGULATORY INFORMATION

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

The data should be considered when making any hazard assessment.

This product may be subject to the SEVESO II and SEVESO III European regulations.

**Classification and labelling according to Regulation:**

(EC) No 1272/2008 [EU-GHS/CLP]

### 16– OTHER INFORMATION

For proper and safe use of this product, please refer to the product label.

Full text of the classifications, including the indication of danger, the hazard symbols and the hazard statements, if mentioned in section 2:

Signal word: Warning

- Acute toxicity, Oral (Category 4) – Warning – Exclamation mark label
- Acute toxicity, Inhalation (Category 4) – Warning – Exclamation Mark label
- Acute aquatic toxicity (Category 1) – Warning – Environmentally damaging label
- Chronic aquatic toxicity (Category 1) – Warning – Environmentally damaging label
- Skin Sensitizer (Category 1) – Warning - Exclamation mark label

H302	Harmful if swallowed.
H332	Harmful if inhaled.
H317	May cause an allergic skin reaction.
H373	May cause damage to central nervous system through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

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### **Abbreviations:**

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

STOT: Specific Target Organ Toxicity

WHO: World Health Organisation

EU: European Union

PBT: Persistent, Bioaccumulative and Toxic

vPvT: very Persistent and very Bioaccumulative

SEVESO: The main piece of EU legislation that deals specifically with the control of on-shore major accident hazards involving dangerous substances.

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

### **Exclusion of liability:**

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