



## SAFETY DATA SHEET

### Cytrol Universal (HSE No.: 6675)

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Revision No. 2

Issue date: 01 September 2005

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

<b>Product name</b>	Cytrol Universal
<b>Company</b>	PelGar International Ltd Unit 13, Newman Lane Industrial Estate, Newman Lane, Alton, Hampshire GU34 2QR Tel +44 (0) 1420 80744 Fax +44 (0) 1420 80733
<b>Product code</b>	207

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous components</b>	Tetramethrin 1-10% CAS: 7695-12-0 N;R50/53 Cypermethrin 1-10% Xn;R22 Xi;R37 Xi;R38 Xi;R43 N;R50/53 Piperonyl butoxide 1-10% N;R51/53 Solvent naphtha (petroleum), Heavy aromatic 40-50% CAS: 64742-94-5 N;R51/53 Xn;R65 Petroleum Distillates Hydrotreated Light Oil 30-40% CAS: 64742-47-8 Xn;R65 Iso-butanol 1-10% CAS: 78-83-1 EINECS: 201-148-0 R10 Xi;R37 Xi;R38 Xi;R41 -;R67 C9 - C11 alcohol with 8 moles of ethylene oxide 1-10% CAS: 68439-45-2 Xn;R22 Xi;R41 Primary alcohol ethoxylate 1-10% CAS: 68439-45-2 Xi;R41
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#### 3. HAZARDS IDENTIFICATION

<b>Most important hazards</b>	Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Irritating to eyes and skin. May cause sensitization by skin contact.
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#### 4. FIRST AID MEASURES

<b>Skin contact</b>	Irritating to skin Remove contaminated clothing Wash off immediately with soap and plenty of water. If irritation persists obtain medical attention Contaminated clothing should be washed and dried before re-use.
<b>Eye contact</b>	Irritating to eyes Rinse immediately with plenty of water for at least 15 minutes. If irritation persists obtain medical attention.
<b>Inhalation</b>	Inhalation of mist or spray, may cause irritation of the respiratory system. Move to fresh air. Obtain medical advice immediately.
<b>Ingestion</b>	Do not induce vomiting. If conscious give a small amount of milk or water to drink and obtain medical attention. Show the container label or this safety data sheet to the doctor

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**General advice** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Keep fire exposed containers cool by spraying with water if exposed to fire. Fight surrounding fire with dry chemical, foam or water spray.

**Specific hazards** Flammable. Fire may cause toxic and irritant vapours to evolve.

**Special protective equipment for firefighters** In the event of fire, wear a self-contained breathing apparatus and a chemical protection suit, 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 leakage or spillage if safe to do so. Contain or absorb leaking liquid with earth or sand. Do not let product enter drains. If substance has entered a watercourse or sewer or contaminated soil or vegetation, inform the appropriate authority.

**Methods for cleaning up** Soak up 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. Material will accumulate static charge, which may cause an electrical spark (ignition source). Container remains hazardous when empty. Continue to observe all precautions. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment.  
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 smoke eat or drink while handling this product. Wash hands, face and exposed skin 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 Store in accordance with Health and Safety Executive's Guidance Note HSG71 Keep away from oxidising agents. Keep away from sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit(s)** Solvent naphtha (petroleum), Heavy aromatic  
TWA(mg/m<sup>3</sup>):500, 5 (for mineral oil mist)  
Iso-butanol  
TWA(ppm):50 TWA(mg/m<sup>3</sup>):154 STEL(ppm):75 STEL(mg/m<sup>3</sup>):231

**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: goggles

**Skin and body protection** impervious clothing, boots

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Description** Liquid

**Colour** Yellow

**Odour** Aromatic

**Boiling point/range** No data

**Flash point** 55°C

**Vapour pressure** Not available

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Relative density	0.92 - 0.93
Water solubility	Miscible
Partition coefficient (n-octanol/water)	No data
Vapour density	>1
Melting point/range	No data
Autoignition temperature	No data

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 > 5000mg/kg (calculated) DERMAL RAT LD50 > 5000 mg/kg (rat). (calculated) May cause tingling/numbness in exposed areas (paraesthesia). The vapour has anaesthetic properties and when inhaled at high concentrations, may cause headaches, fatigue, dizziness and in-coordination.
Primary irritation	Irritating to eyes and skin.
Sensitisation	May cause sensitisation of susceptible persons by skin contact or by inhalation of aerosol or spray mist..
Repeated or prolonged exposure	Repeated or prolonged skin contact will cause skin irritation and/or dermatitis and sensitisation of susceptible persons.
mutagenic effects	Not available
carcinogenic effects	Not available

## 12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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 hazardous waste in compliance with local and national regulations.
Contaminated packaging	Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### ADR/RID

UN-No	1993	Packing group	III
Class	3	Hazard ID	30
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (contains iso-butanol,		

### IMO

UN-No	1993	Packing group	III
Class	3	Marine pollutant	YES
EmS	F-E S-E		

### IATA-DGR

UN-No	1993	Packing group	III
Class	3	packaging	310

## 15. REGULATORY INFORMATION

# Cytrol Universal

**Symbol(s):** Xn - Harmful; N - Dangerous for the environment



**R-phrase(s)**

R10 - Flammable.  
R36/38 - Irritating to eyes and skin.  
R43 - May cause sensitization by skin contact.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 - Harmful: may cause lung damage if swallowed.

**S-phrase(s)**

To avoid risks to man and the environment, comply with the instructions for use.  
S 2 - Keep out of the reach of children.  
S20 - When using do not eat or drink.  
S23 - Do not breathe 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.  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.  
S51 - Use only in well ventilated areas.  
S57 - Use appropriate containment to avoid environmental contamination.  
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.  
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## 16. OTHER INFORMATION

**Text of R phrases mentioned in Section 2**

R22 - Harmful if swallowed.  
R37 - Irritating to respiratory system.  
R38 - Irritating to skin.  
R43 - May cause sensitization by skin contact.  
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.

**Recommended restrictions**

Insecticide for professional use only.

**Sources of key data used to compile the datasheet**

CHIP 2002  
EH40  
Raw material suppliers Safety Data Sheets.

**Replaces:**

Revision No.: 1 Changes to Section 2, 3, 4, 13, 14, 15, 16