



SAFETY DATA SHEET

Page 1 of 4

Cytrol XL (HSE No.: 6679)

Revision No. 2

Issue date: 01 September 2005

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

Product name	Cytrol XL
Company	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
Product code	TCF275

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	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 50-60% CAS: 64742-94-5 N; R51/53 Xn; R65 Petroleum Distillates Hydrotreated Light Oil 10-20% 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
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3. HAZARDS IDENTIFICATION

Most important hazards	Flammable. May cause sensitization by skin contact. 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.
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4. FIRST AID MEASURES

Skin contact	Causes skin irritation. 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
Eye contact	Causes eye irritation. Rinse immediately with plenty of water for at least 15 minutes. If irritation persists obtain medical attention
Inhalation	Inhalation of mist or spray may cause irritation of the respiratory system. Move to fresh air. Obtain medical advice immediately.
Ingestion	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
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Cytrol XL

Revision No. 2

Issue date: 01 September 2005

5. FIRE-FIGHTING MEASURES

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

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. Keep away from sources of ignition. Keep away from oxidizing agents. Store in accordance with HSE Guidance note HSG 71.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)	Solvent naphtha (petroleum), Heavy aromatic TWA(mg/m3):500; TWA (mg/m3) 5 (for mineral oil mist) Iso-butanol TWA(ppm):50 TWA(mg/m3):154 STEL(ppm):75 STEL(mg/m3):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 / light brown
Odour	Aromatic
Boiling point/range	No Data
Flash point	55°C
Water solubility	Miscible
Partition coefficient (n-octanol/water)	No data
Vapour density	>1

Cytrol XL

Revision No. 2

Issue date: 01 September 2005

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 > 2000 mg/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.
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 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

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.

Cytrol XL

Revision No. 2

Issue date: 01 September 2005

S20 - When using do not eat or drink.
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
 S38 - In case of insufficient ventilation, wear suitable respiratory equipment.
 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	<p>R10 - Flammable. R22 - Harmful if swallowed. R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. 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. R67 - Vapours may cause drowsiness and dizziness.</p>
Recommended restrictions	Insecticide for professional use only.
Sources of key data used to compile the datasheet	<p>CHIP 2002 EH40 Raw material suppliers Safety Data Sheets.</p>
Replaces:	Revision No.: 1 Changes to Section 2, 3, 13, 15, 16