

SAFETY DATA SHEET

CYTROL 10/4 ULV

According to Regulation (EC) No 1907/2006, Annex II, as amended.Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product name CYTROL 10/4 ULV 1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses Insecticide. Uses advised against No specific uses advised against are identified. 1.3. Details of the supplier of the safety data sheet Supplier PelGar International Ltd Unit 13 Newman Lane Alton Hampshire **GU34 2QR** United Kingdom Telephone : +44(0)1420 80744 E-mail: garry@pelgar.co.uk 1.4. Emergency telephone number **Emergency telephone** 1401 **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture Classification (EC 1272/2008) Physical hazards Not Classified Eye Dam. 1 - H318 STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Health hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 **Environmental hazards** 2.2. Label elements Pictogram

Signal word

Hazard statements

Danger

H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

60-100%

CYTROL 10/4 ULV

Precautionary statements	P260 Do not breathe vapour/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated area.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P270 Do not eat, drink or smoke when using this product.
	P262 Do not get in eyes, on skin, or on clothing.
	P220 : Keep/Store away from food, drink and animal feeding stuffs.
	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove
	contact lenses, if present and easy to do. Continue rinsing.
	P337+P313 If eye irritation persists: Get medical advice/ attention.
	P312 Call a POISON CENTER/ doctor if you feel unwell.
	P391 Collect spillage.
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up.
	P501 Dispose of contents/ container in accordance with national regulations.
Contains	HAMSOL 150ND, CYPERMETHRIN, KEMSURF CA-EH

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

3.2. Mixtures

HAMSOL 150ND

CAS number: ---

Classification

STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

CYPERMETHRIN		11.7%
CAS number: 52315-07-8	EC number: 257-842-9	
M factor (Acute) = 1000	M factor (Chronic) = 1000	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

PIPERONYL BUTOXIDE	1-10%
CAS number: 51-03-6	EC number: 200-076-7
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
KEMSURF CA-EH	1-5%
CAS number: —	
Classification Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412	
The full text for all hazard sta	atements is displayed in Section 16.
SECTION 4: First aid measu	ires
4.1. Description of first aid m	neasures
General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention if symptoms are severe or persist. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
Skin contact	Rinse with water.
Eye contact	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
4.2. Most important symptor	ns and effects, both acute and delayed
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting.

A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

Ingestion	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	No specific symptoms known.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

4.3. Indication of any immediate medical attention and special treatment needed

to: indeator of any inimediate medical attention and special readment needed		
Notes for the doctor	Treat symptomatically.	
SECTION 5: Firefighting meas	sures	
5.1. Extinguishing media		
Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising from the substance or mixture		
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.	
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.	
5.3. Advice for firefighters		
Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping	

Special protective equipmentWear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective
clothing. Firefighter's clothing conforming to European standard EN469 (including helmets,
protective boots and gloves) will provide a basic level of protection for chemical incidents.

the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

authorities.

Personal precautionsWear protective clothing as described in Section 8 of this safety data sheet. No action shall be
taken without appropriate training or involving any personal risk. Do not touch or walk into
spilled material. Avoid inhalation of vapours and spray/mists. Use suitable respiratory
protection if ventilation is inadequate.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up 6.4. Reference to other sectio	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
SECTION 7: Handling and sto	
7.1. Precautions for safe hand	
Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage	je, including any incompatibilities
Storage precautions	Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
Storage class	Miscellaneous hazardous material storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure Control	ols/personal protection
8.1. Control parameters	
8.2. Exposure controls	
Protective equipment	
Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full- face respirator may be required instead.
Hand protection	No specific hand protection recommended. Avoid contact with skin.

Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
SECTION 9: Physical and Chemical Properties	

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellow.
Odour	Aromatic.
Odour threshold	No information available.
рН	No information available.
Melting point	Not applicable.
Initial boiling point and range	180 - 215 DegC
Flash point	>65 DegC
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	2.75 mm2/s (20 DegC) 1.89 mm2/s (40 DegC)

Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	Not determined.
9.2. Other information	
SECTION 10: Stability and rea	ctivity
10.1. Reactivity	
Reactivity	See the other subsections of this section for further details.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	No potentially hazardous reactions known.
10.4. Conditions to avoid	
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
10.5. Incompatible materials	
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
10.6. Hazardous decompositio	n products
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
SECTION 11: Toxicological inf	ormation
11.1. Information on toxicologi	cal effects
Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	4,273.5
Acute toxicity - dermal Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	38,461.54
ATE inhalation (vapours mg/l)	94.02
ATE inhalation (dusts/mists mg/l)	9.91
Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation Serious eye damage/irritation	Eye Dam. 1 - H318 Causes serious eye damage.

Respiratory sensitisation Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	single exposure
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.
Target organs	Central nervous system
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	
Aspiration hazard	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
Ingestion	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	No specific symptoms known.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of entry	Ingestion Inhalation Skin and/or eye contact
Target organs	Central nervous system
Toxicity of ingredients	Cypermethrin is classified by the WHO as Moderately Hazardous (class II).
SECTION 12: Ecological Infor	mation
Ecotoxicity	Cypermethrin is a broad-spectrum insecticide, which means it kills beneficial insects and

animals as well as the targeted insects. Fish are particularly susceptible to Cypermethrin.

12.1. Toxicity

Toxicity	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.		
12.2. Persistence and degrada			
v	The degradability of the product is not known.		
12.3. Bioaccumulative potentia			
Bioaccumulative potential	" No data available on bioaccumulation.		
Partition coefficient	No information available.		
12.4. Mobility in soil			
Mobility	No data available.		
12.5. Results of PBT and vPvE			
12.6. Other adverse effects			
Other adverse effects	None known.		
Toxicity of ingredients			
SECTION 13: Disposal conside	erations		
13.1. Waste treatment method	S		
General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product		
Disposal methods	residues and hence be potentially hazardous. Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.		
Waste class	Waste disposal key number from EWC is 20 01 19 (Pesticides)		
SECTION 14: Transport inform	nation		
14.1. UN number			
UN No. (ADR/RID)	3082		
UN No. (IMDG)	3082		
UN No. (ICAO)	3082		
UN No. (ADN)	3082		
14.2. UN proper shipping name	9		
Proper shipping name (ADR/RID)	- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CYPERMETHRIN, HAMSOL 150ND)		
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CYPERMETHRIN, HAMSOL 150ND)		
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CYPERMETHRIN, HAMSOL 150ND)		

Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS
	CYPERMETHRIN, HAMSOL 150ND)

14.3. Transport hazard class(es)	
ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9

Transport labels

ADN class

14.4. Packing group		
ADR/RID packing group	Ш	
IMDG packing group	Ш	
ADN packing group	Ш	
ICAO packing group	Ш	

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

9



14.6. Special precautions for user

EmS	F-A, S-F	
ADR transport category	3	
Emergency Action Code	•3Z	
Hazard Identification Number (ADR/RID)	90	
Tunnel restriction code	(E)	
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code		

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulationsHealth and Safety at Work etc. Act 1974 (as amended).The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment
Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].EH40/2005 Workplace exposure limits.

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

SECTION 16: Other information

None of the ingredients are listed or exempt.

CECTION 10. Other Information		
Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.	
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.	
	RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.	
	IATA: International Air Transport Association.	
	ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.	
	IMDG: International Maritime Dangerous Goods.	
	CAS: Chemical Abstracts Service.	
	ATE: Acute Toxicity Estimate.	
	LC ₅₀ : Lethal Concentration to 50 % of a test population.	
	LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). EC ₅₀ : 50% of maximal Effective Concentration.	
	PBT: Persistent, Bioaccumulative and Toxic substance.	
	vPvB: Very Persistent and Very Bioaccumulative.	
Classification abbreviations	Asp. Tox. = Aspiration hazard	
and acronyms	Eye Dam. = Serious eye damage	
	STOT RE = Specific target organ toxicity-repeated exposure	
	STOT SE = Specific target organ toxicity-single exposure	
	Aquatic Acute = Hazardous to the aquatic environment (acute)	
	Aquatic Chronic = Hazardous to the aquatic environment (chronic)	
Classification procedures according to Regulation (EC) 1272/2008	Asp. Tox. 1 - H304: Eye Dam. 1 - H318: STOT RE 2 - H373: STOT SE 3 - H336: : Calculation method. Aquatic Acute 1 - H400: Aquatic Chronic 1 - H410: : Calculation method.	
Revision date	24/07/2017	
Revision	1	
Supersedes date	03/07/2017	
SDS number	21138	

Llaward statements in full	1200 Harreful if availanced
Hazard statements in full	H302 Harmful if swallowed.
	H304 May be fatal if swallowed and enters airways.
	H315 Causes skin irritation.
	H318 Causes serious eye damage.
	H332 Harmful if inhaled.
	H335 May cause respiratory irritation.
	H336 May cause drowsiness or dizziness.
	H373 May cause damage to organs through prolonged or repeated exposure.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H411 Toxic to aquatic life with long lasting effects.
	H412 Harmful to aquatic life with long lasting effects.

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.