

Safety Data Sheet

Killgerm ULV 500

1	Identification of the preparation and the supplying Company	Killgerm ULV 500. A ready to use insecticide for professional use. Killgerm Chemicals Ltd, Denholme Drive, Ossett, West Yorkshire, WF5 9NA.		
2	Hazards identification	Xn HARMFUL: N Dangerous for the	4 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com May cause lung damage if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic	
3	Composition and information on ingredients	environment Active ingredients:- Composition:-	Tetramethrin and d-phenothrin	
4	First Aid measures	Ingestion:	DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. Wash out mout with water. If spontaneous vomiting has occurred keep patient at rest, ensurin airways are clear, and phone for an ambulance with oxygen facilities.	
		Inhalation:	Remove to fresh air. Loosen clothing at neck. Keep at rest. GET MEDICA ATTENTION. Remove conteminated clothing. Week off with each and water. GET MEDICA	
		Skin contact: Eye contact:	Remove contaminated clothing. Wash off with soap and water. GET MEDICA ATTENTION. Flush thoroughly with eye wash solution or clean water for 15 minutes. GE	
		Advice to doctor:	MEDICAL ATTENTION. Contains pyrethroids in petroleum distillates.	
5	Fire-fighting measures	Extinguishers:	Use water spray, dry powder or foam. DO NOT USE WATER JET. Self-contained breathing apparatus should be worn by fire fighters. Warn those at risk that toxic fumes are evolved. Advise Environment Agency (emergency telephone number 0800 807060) or the water company if material has entered the drains.	
6	Accidental release measures	Spillages (containment disposal):		
7	Handling and storage		appropriate containment to avoid environmental contamination. This product is subject to the Food and Environment Protection Act, 1985 and The Control of Pesticides Regulations 1986 made under it. The product mus be used and stored only in accordance with the product label. Keep away from sources of ignition – No smoking	
		Precautions in use:	Wear suitable protective clothing. Do not breathe mist. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS(G) 53; "The Selection, Use and Maintenance of Respiratory Protective Equipment- A Practical Guide"). WASH HANDS AND EXPOSED SKIN before meals and after use. Wash any contamination from skin or eyes immediately. AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY. DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES. COVER WATER STORAGE TANKS before application. EXCLUDE ALL PERSONS AND ANIMALS DURING TREATMENT. DO NOT APPLY DIRECTLY TO ANIMALS. VENTILATE TREATED AREAS THOROUGHLY after application. COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION. HAZARDOUS TO BEES. Protect milk machinery and milk containers from contamination. REMOVE OR COVER ALL FISH TANKS AND BOWLS before application. THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way. Use appropriate containment to avoid environmental contamination. Avoid release to the environment. Read product label for other handling precautions.	
		Storage and transport precautions:	Keep only in the original container. Keep container tightly closed. KEEP IN A SAFE PLACE. Keep out of reach of children. Protect from frost. When not in use, store upright with cap screwed tightly on.	

Page 1 of 3 SDS: Killgerm ULV 500 **Revision no.4** Issue date: JUL 2009

8	Exposure controls and personal protection					
	Workplace exposure limits:	Oil mist mineral, odourless kerosene. UK.EH402002. Maximum Exposure Limit: 5mg/m_ (8 hour), 10mg/m_ (15 mins). Distillates (petroleum) hydrotreated light_ odourless kerosene:- TWA LTEZ 1200mg/m³ (165ppm) (EH40/2002). Health and Safety Executive have advised chemical industry that Occupation Exposure Limits (in EH40/2002) can continue to be used where no relevant entry in "EH40/2005 Workplace Exposure Limits" is evident.				
	Personal Protection:	PPE Item	In Use	Spillage		
		Respirator	Half mask respirator to EN140 plus A1P2 class filter to EN141 (minimum).	Half mask respirator to EN140 plus A1P2 class filter to EN141 (minimum).		
		Gloves	Unlined synthetic rubber/PVC (300mm) (EN374:2003 J**) eg. Solvex nitrile.	Unlined synthetic rubber/PVC (300mm) (EN374:2003 J**) eg. Solvex nitrile.		
		Overall	Low levels of contamination- Coverall type 5/6. High levels of contamination- Coverall type 4.	Low levels of contamination- Coverall type 5/6. High levels of contamination- Coverall type 4.		
		Goggles/ Face shield	Goggles to EN166 34	Face shield to EN166 3		
	Environmental Exposure Controls:	Product should be used in accordance with the instructions on the label. Any spillage should be dealt with				
			ith advice on this SDS, in order to avoid co	,		
9	Physical and chemical properties	Appearance:	Straw coloured liquid.			
		pH: Flash point:	Not applicable. 67°C.			
		Flammability:	Flammable, will burn at room temperatur	es to evolve toxic combustion products.		
		Bulk density:	0.840	·		
		Solubility:	Insoluble in water. Product will float on w	vater.		
		Odour:	Slight kerosene odour.	a strong golds and strong bases		
10	Stability and reactivity	Incompatibility: Product is stable and not a rea	Incompatible with strong oxidising agents ctive substance. Toxic/hazardous fumes e			
11	Toxicological information	Routes of entry/symptoms of c		SVOIVOG III G III O.		
	· ·	, , .				
		Inhalation:	In normal circumstances, the low volating harmful concentrations. Precautions is product spray/mist.	lity of this product does not give rise to hould be taken to prevent exposure to		
		Skin and eyes:		irritant. Prolonged or repeated contact		
		Ingestion:	can give rise to severe irritation or cause The main hazard of swallowing the aspiration into the lungs which may caus	product arises from any consequent		
12	Ecological information	Preparation is class	sified as (N) Dangerous for the environm	•		
		cause long-term adverse effects in the aquatic environment.				
		•	nts & piperonyl butoxide giving rise to this	. , ,		
			water and on contact with soils and organic matter. Odourless kerosene is highly volatile and rapidly evaporate and degrade in air. The product is essentially insoluble in water (it will float on			
			readily and rapidly biodegradable. No			
		expected at the maximum water solubility (<0.10%w/w) of odourless kerosene. Long-term advers				
		effects to aquatic organisms are not expected. The aromatic solvent is also highly volatile and rapidly evaporate to the air if released. It does not biodegrade rapidly but will degrade in air an				
			noved in a wastewater treatment facility.	. ,		
		-	ible if continuous exposure is maintained.	3		
		 Adverse environmental effects arising as a consequence of use of ULV 500 (in situations for which it is 				
<u>approved and as indicated on the label) have not occurred and none</u> 13 Disposal considerations Empty containers: Do not re-use – empty completely. Dispose				ispose of as controlled waste. Ensure		
10	Bioposai considerations	Empty containers.		azardous waste. Use EWC (European		
			Waste Catalogue) code 15 01 02 on duty	y of care transfer notes. If containers are		
		11	not emptied, treat packaging as hazardor			
		Unused/recovered materials:	hazardous waste. Use EWC code 16 03	spose of as controlled waste. Treat as		
		Contaminated PPE/ wipes/		levels of contamination, treat as non-		
		contaminated boxes/ spill	hazardous waste. Use EWC code 15	02 03. For heavily contaminated items		
		control material:	treat as hazardous waste and use EWC			
			Contact supplier for advice on disposal n	iallers.		

Page 2 of 3 SDS: Killgerm ULV 500 Revision no.4 Issue date: JUL 2009

14	Transport information	UN No 3082. Class 9. Packing Group III. Marine Pollutant. Environmentally hazardous substance	
15	Regulatory information	 This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3. These implement the Dangerous Preparations Directive- 99/45/EC. This Safety Data Sheet complies with CHIP 3 requirements and the Safety Data Sheets Directive 91/155/EEC (as amended by Directives 93/112/EC and 2001/58/EC). Restricted to professional users. To avoid risks to man and the environment, comply with the instructions for use. Symbols : Xn – Harmful	

16 Other information

Text of R-phrases (Ingredients - Section 2) and S-phrases.

R50- Very toxic to aquatic organisms.

R51- Toxic to aquatic organisms.

R53- 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 or dizziness.

S23- Do not breathe spray.

S24- Avoid contact with skin.

S57- Use appropriate containment to avoid environmental contamination.

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

S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Use only in accordance with label instructions.

Observe statutory conditions of use on the label. Always read the label. Use pesticides safely.

The information on this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

This data sheet does not constitute a COSHH assessment.

The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.

Re-issued July 2009 to incorporate the REACH requirement changes to safety data sheets.

Page 3 of 3 SDS: Killgerm ULV 500 Revision no.4 JUL 2009 Issue date: