

Safety Data Sheet

1	Identification of the preparation and the supplying Company		eady to use insecticide for professional use. , Denholme Drive, Ossett, West Yorkshire, WF5 9NA. 268450 Fax: (0)1924 265033 Email: <u>technical@Killgerm.com</u>
2	Composition and information on		etramethrin and d-phenothrin
_	ingredients	U U	etramethrin - 2.2%w/w (N.R50.R53) CAS no 7696-12-0
	3	•	-phenothrin - 4.4%w/w (N.R50.R53) CAS no 188023-86-1
		F	iperonyl butoxide - 9.6%w/w (N.R50/53).
		C	Ddourless kerosene - 80.2%w/w (Xn R65. R66)
		A	vromatic solvent - 3.6%w/w (Xn. R51. R53. R65. R66. R67)
			See paragraph 16 for full text of R-phrases.
3	Hazards identification	Xn HARMFUL:	May cause lung damage if swallowed.
		N Dangerous for the	Toxic to aquatic organisms, may cause long-term adverse effects in the aqua
	First Aid massures		environment. R51/53.
1	First Aid measures	Ingestion:	DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. Wash out mou 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.
		Skin contact:	Remove contaminated clothing. Wash off with soap and water. GET MEDICA
		Eye contact:	Flush thoroughly with eye wash solution or clean water for 15 minutes. GE MEDICAL ATTENTION.
		Advice to doctor:	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
		0.11. / 1.1. /	water company if material has entered the drains.
5	Accidental release measures	Spillages (containment a	
		disposal):	proprietary product, shovel into marked container and contact a waste dispos
			firm or the supplier for disposal advice. Indoors, wash area with soap an
			water. Outdoors, do not wash spillages or contaminated material to drains
			Shovel up contaminated soil, vegetation, etc., and transfer to a market
			container. Dispose of via a contractor or contact supplier for advice. Us
7	Handling and storage		appropriate containment to avoid environmental contamination.
	Handling and storage		This product is subject to the Food and Environment Protection Act, 1985 an The Control of Pesticides Regulations 1986 made under it. The product must
			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 ey
			protection (see HSE Guidance Booklet HS(G) 53; "The Selection, Use an
			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 LAUNDE REGULARLY.
			DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOO
			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 MIL
			BEFORE APPLICATION.
			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.
			Keep only in the original container. Keep container tightly closed. KEEP IN
			SAFE PLACE.
			Keep out of reach of children.
		Storage and transport	Protect from frost.
			When not in use, store upright with cap screwed tightly on.

	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/m <sup>3</sup> (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:			
				bel. Any spillage should be dealt with ontamination of watercourses or ground.
9	Physical and chemical properties	Appearance: pH:	Straw coloured liquid. Not applicable.	
		Flash point: Flammability: Bulk density:	67°C. Flammable, will burn at room temperatur 0.840	es to evolve toxic combustion products.
		Solubility: Odour:	Insoluble in water. Product will float on w Slight kerosene odour.	
10	Ctability and reactivity	Incompatibility:	Incompatible with strong oxidising agents	
<u>10</u> 11	Stability and reactivity Toxicological information	Product is stable and not a reactive substance. Toxic/hazardous fumes evolved in a fire. Routes of entry/symptoms of contact:		evolved in a life.
11		Inhalation: In normal circumstances, the low volatility of this product does normal circumstances. Precautions should be taken to prever product spray/mist.		
		Skin and eyes:		irritant. Prolonged or repeated contact dermatitis. Irritating to eyes.
		Ingestion:		product arises from any consequent
12	Ecological information		sified as (N) Dangerous for the environment.	
		<ul> <li>The active ingredier water and on conta rapidly evaporate at top of water). It is expected at the ma effects to aquatic or</li> </ul>	nts & piperonyl butoxide giving rise to this act with soils and organic matter. Odour nd degrade in air. The product is essenti s readily and rapidly biodegradable. No aximum water solubility (<0.10%w/w) of o organisms are not expected. The aromat o the air if released. It does not biodegra	less kerosene is highly volatile and will ally insoluble in water (it will float on the acute toxicity to aquatic organisms is dourless kerosene. Long-term adverse ic solvent is also highly volatile and will
		<ul><li>organisms are poss</li><li>Adverse environme</li></ul>	noved in a wastewater treatment facility. ible if continuous exposure is maintained. ntal effects arising as a consequence of us dicated on the label) have not occurred and	-
13	Disposal considerations	<ul><li>organisms are poss</li><li>Adverse environme</li></ul>	ible if continuous exposure is maintained. ntal effects arising as a consequence of us dicated on the label) have not occurred and Do not re-use – empty completely. D containers are empty. Treat as non-hard provide the provided that the provided the provide	se of ULV 500 (in situations for which it is <u>d none are expected</u> . ispose of as controlled waste. Ensure azardous waste. Use EWC (European y of care transfer notes. If containers are

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Exposure controls and personal

protection

14	Transport information	UN No 3082. Class 9. Packing Group III. Marine Pollutant. Environmentally hazardous substance	
15	Regulatory information	<ul> <li>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).</li> <li>Restricted to professional users. To avoid risks to man and the environment, comply with the instructions for use.</li> <li>Symbols : Xn – Harmful N - Dangerous for the environment.</li> <li>R-phrases : R65. R51. R53</li> <li>S-phrases : S23, S24, S57, S61, S62. This product is approved under The Control of Pesticides Regulations 1986. HSE no. 4647,</li> </ul>	

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.	
		<ul> <li>S23- Do not breathe spray.</li> <li>S24- Avoid contact with skin.</li> <li>S57- Use appropriate containment to avoid environmental contamination.</li> <li>S61- Avoid release to the environment. Refer to special instructions/ safety data sheet.</li> <li>S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</li> <li>Use only in accordance with label instructions.</li> <li>Observe statutory conditions of use on the label.</li> </ul>	
		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.	