

SAFETY DATA SHEET

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

Product **ERAZA ANT KILLER**

Supplier **Westland Horticulture Limited**
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	EINECS-No.	Symbols	R-phrases	Concentration [%]
Deltamethrin	52918-63-5		T N	R23/25 R50/53	0.015

For the full text of the R phrases mentioned in this Section, see Section 16.

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General Advice: Remove all contaminated clothing immediately and launder or dispose of safely.**Inhalation:** Move to fresh air. Keep patient warm and at rest. If symptoms persist call a physician.**Skin contact:** In case of skin contact, immediately wash with plenty of soap and water for at least 15 minutes. After skin contact, apply vitamin E or simple body milk. If symptoms persist call a physician.**Eye contact:** Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.**Ingestion:** Rinse mouth out and give water in small sips to drink. DO NOT induce vomiting. If swallowed seek medical advice immediately and show this container or label.**Medical advice :** No specific treatment. May cause paraesthesia which is usually transient within 24 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which **must not be used** for safety reasons : High volume water jet.

Specific hazards during fire fighting : Dangerous gases are evolved in the event of a fire. Heated containers may increase in pressure and may burst.

Special protective equipment for fire-fighters : In the event of fire and/or explosion do not breathe fumes. In the event of fire wear self-contained breathing apparatus.

Further information: Do not let run off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in section 7 and 8
- Environmental precautions : Do not let liquid enter water systems. Soak off spilled product with materials like sand or saw dust. Collect material in containers for safe disposal. Do not contaminate waters and sewers.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with skin, eyes and clothing. Do not eat, drink and smoke while working.
- Advice on protection against fire and explosion : No special measures.

Storage

- Further information on storage conditions : No special storage conditions required.
- Storage with other substances : Store separately from feed, food and stimulants.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to COSHH assessment (Control of substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer to COSHH Essentials.

Component	CAS No	Exposure Limits	Basis
Deltamethrin	52918-63-5	0.02mg/m ³	OES BCS

Monitoring

If product contains component(s) with exposure limits, personal, workplace, atmospheric or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use protective respiratory equipment. Reference should be made to European standard EN689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Occupational Exposure

If user operations generate dust, fumes, gas, vapour or mist use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended statutory limits.

Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, drinking, smoking and using the lavatory at the end of a working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Respiratory Protection	<p>This product should not require respiratory protection if used in accordance with label.</p> <p>For emergency or other use : Use a properly fitted air purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended : Full mask with ABEK Filter.</p>
Hand Protection	<p>This product should not require hand protection if used in accordance with label.</p> <p>For emergency or other use : Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling the product if a risk assessment indicates this is necessary. Dispose of when contaminated inside or when perforated. Hands should be washed even after wearing gloves before eating, drinking, smoking or using the lavatory. Recommended : Butyl rubber / nitrile gloves.</p>
Eye Protection	<p>This product should not require eye protection if used in accordance with label.</p> <p>For emergency or other use : Safety eyewear complying with an approved standard should be worn at all times when handling the product if a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended : Safety glasses with side shields.</p>
Skin protection	<p>This product should not require skin protection if used in accordance with label.</p> <p>For emergency or other use : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended : Wear protective clothing</p>
Environmental Exposure	<p>Steps should be taken to ensure that this product is not released accidentally into the environment.</p> <p>For emergency or other 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</p>

9. PHYSICAL AND CHEMICAL PROPERTIES
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Appearance

Form	:	Liquid micro emulsion
Colour	:	colourless
Odour	:	Characteristic
Ph		< 4.0
Density		~1.000 g/ml @20 ^o c

Flash Point	> 100 ^{oC}
Water Solubility	Completely soluble

10. STABILITY AND REACTIVITY

Stability	: This product is stable.
Material to avoid	: No specific data.
Conditions to avoid	Extremes of temperature and direct sunlight.
Hazardous decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat)	783 mg/Kg *
Acute Inhalation Toxicity	LC50 (rat)	2.30 mg/l * (4hour Exposure)
Acute Dermal Toxicity	LD50 (rat)	>2000 mg/Kg *
Skin Irritation	This product is not expected to be irritating to the skin**.	
Eye Irritation	This product is not expected to be irritating to the eyes**.	
Sensitization	This product is not expected to be sensitising.	
Other	Cutaneous sensitisations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours) * - This product has not been tested. (Data is for Deltamethrin)	

12. ECOLOGICAL INFORMATION

Bioaccumulation	Bluegill Sunfish Bioconcentration factor (BCF) 1,400	
Toxicity to Fish	LC50 (Oncorhynchus Mykiss) Exposure time : 96 hours	0.00091mg/l
Toxicity to Daphnia	EC50 (Daphnia Magna) Exposure time : 48 hours	0.00056mg/l
Toxicity to Algae	LC50 (Algae) Exposure time : 96 hours	> 9.1 mg/l
Other	This product has not been tested and the data is for Deltamethrin. However, this product is classified as Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.	

13. DISPOSAL CONSIDERATIONS

- Product : Do not contaminate ponds, waterways or ditches with chemical or used container
Do not dispose of waste into sewer.
- Contaminated packaging : Regulations concerning disposal of used packaging material must be observed.

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN Number UN3082
ADR Class 9
Packaging Group III
Hazard No 90
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Contains Deltamethrin)

IMDG

UN Number UN3082
ADR Class 9
Packaging Group III
EmS F-A, S-F
Marine Pollutant Marine Pollutant
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Contains Deltamethrin)

IATA

UN Number UN3082
ADR Class 9
Packaging Group III
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (Contains Deltamethrin)

15. REGULATORY INFORMATION

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and taken into account the intended product use

Hazard Symbol(s)

- Contains** Deltamethrin
- Risk Phrases** R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
- Safety Phrases** S2 Keep out of the reach of children.
S35 This material and its container must be disposed of in a safe way.



S57
contamination.

Use appropriate containment to avoid environmental

V.O.C.content (EU) VOC (%w/w) : 0%

16. OTHER INFORMATION

Full Text Classifications

N - Dangerous for the Environment

T - Toxic

R23/25 - Toxic by inhalation and if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Use only in accordance with label instructions.

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

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

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 storage and transportation of the preparation. The information 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 Westland Horticulture Ltd 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.