

SAFETY DATA SHEET

Product Name: Deltamethrin 15 SC Commercial Concentrate

Issue Date: 12/01/2018

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1. PRODUCT AND COMPANY INFORMATION

Product Name:	Deltamethrin 15 SC Commercial Concentrate
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	Class 9; Signal word = Warning
Packaging Group:	III
Hazardous Substance (HSNO) Codes:	6.9B Harmful to human target organs (oral & inhalation; single & repeated exposure) 9.1A Very ecotoxic in the aquatic environment 9.3C Harmful to terrestrial vertebrates 9.4A Very ecotoxic to terrestrial invertebrates
Hazard Statement:	H371: May cause damage to organs. H373: May cause damage to organs through prolonged or repeated exposure.

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2. HAZARDS IDENTIFICATION

Precautionary Statements:

H400 / 410: Very toxic to aquatic life with long lasting effects.

H433: Harmful to terrestrial vertebrates.

H441: Very toxic to terrestrial invertebrates.

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe mist/spray.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.



P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

P309+P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P405: Store locked up.

P501: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
6.9B (Single exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H371	P103 ^b P260 P264 P270	P309 + P311	P405	P501
6.9B (Repeated exposure)	Not applicable for the UN RTDG Model Regulations		Warning	H373	P103 ^b P260	P314	No storage statements	P501




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9.1A			Warning	H400/H410 ^m	P103 ^b P273	P391	No storage statements	P501
9.3C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H433	P103 ^b P273	No response statements	No storage statements	P501
9.4A	Not applicable for the UN RTDG Model Regulations		Warning	H441	P103 ^b P273	P391	No storage statements	P501

3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: To control bugs

Appearance: Whitish slight viscous liquid

Ingredients

Ingredients	CAS #	Content % w/w or w/v
Deltamethrin	52918-63-5	~1.5 % w/w
Other ingredients	Mixture: N/A	To 100 % w/w

4. FIRST AID MEASURES

Ingestion: If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. Obtain medical advice immediately.

Eye Contact: Unlikely to be irritant to eyes. If in eyes, flush eyes with running water for 15 minutes holding eyelids open if necessary. Seek medical advice.

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4. FIRST AID MEASURES

Skin Contact:	Unlikely to cause skin irritancy. Avoid contact with skin. If skin contact occurs wash off with soap and water. If skin irritation occurs get medical advice.
Inhalation:	May be harmful to organs through prolonged exposure via inhalation. If ill effects persist call a doctor. Seek immediate medical attention.
Notes to Physician:	None allocated.

5. FIRE FIGHTING MEASURES

Specific Hazards:	Clear fire area of all non-emergency personnel.
Suitable Extinguishing Media:	Water spray, foam, CO ₂ , dry chemical or any class B extinguishing agent.
Fire Fighting Advice:	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Equipment should be thoroughly cleaned after use. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 L):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.

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6. ACCIDENTAL RELEASE MEASURES

Major Spills (more than 20 L):

Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations.

Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid prolonged or repeated contact with skin. Avoid inhaling spray. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.

Conditions for safe Storage including incompatibilities:

Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.

Protection against fire and explosion:

Keep away from heat sources even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 th edition)
Engineering Controls:	General ventilation. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
Body protection:	Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

T	Substance	CAS #	TWA		STEL	
			ppm	mg/m ³	ppm	mg/m ³
	Triethanolamine	[102-71-6]		5		

Additional controls as set under s77A

Code	Regulation	Description
		The substance must not be applied onto or into water. ^a

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance and Odour:	Whitish slight viscous liquid
Solubility:	Soluble in water.
Specific Gravity:	0.995 – 1.010 Kg/L
Viscosity:	600 – 2800 cps (#3 spindle, 12RPM at 20 °C)
Flash Point:	>93 °C
pH Value:	5.0 – 6.3
Exposure Standards (TLV-TW):	Refer to section 8
Engineering Controls:	Refer to section 8

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidative.
Incompatibility or conditions to be avoid:	Avoid strong oxidising agents. Avoid heat, sparks and open flame.
Corrosive Properties:	Not corrosive.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if heated.

11. TOXICOLOGICAL INFORMATION

The relevant hazard classes on ingredients:

Deltamethrin (52918-63-5): 6.1B (o); 6.1C (d, i); 6.3B; 6.4A; 6.9A (o); 6.9B (i); 9.1A; 9.2C; 9.3A; 9.4A.

For the substance (final product):

Skin corrosion/irritation: Not a skin irritant.

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11. TOXICOLOGICAL INFORMATION

Serious eye damage/eye irritation:	Not an eye irritant.
Respiratory or skin sensitization:	Not a sensitizer.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductivity:	Not reproductive.
Acute Toxicity:	LD ₅₀ > 5000 mg/kg (rat)
Chronic Toxicity:	May be harmful to organs through prolonged or repeated exposure.

12. ECOTOXICITY INFORMATION

Ecological information of substance:	HSNO 9.1A or GHS H400/410; Very ecotoxic in the aquatic environment. HSNO 9.3C or GHS H433; Harmful to terrestrial vertebrates. HSNO 9.4A or GHS H441. Very ecotoxic to terrestrial invertebrates.
Rapid degrade & Bioaccumulative:	Deltamethrin is potentially bioaccumulative and not rapid degradable.
Soil toxicity:	No soil toxicity.
Deltamethrin (52918-63-5):	9.1A; 9.2C; 9.3A; 9.4A.

The substance triggers HSNO class 9.1A, 9.3C and 9.4A classifications. In addition, as the product label indicated that this product is not allowed or washings to enter the waterways or sewer and other appropriate environmental controls. Therefore it is unlikely to cause any environmental risk.

13. DISPOSAL CONSIDERATIONS

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13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	In the case of a substance that is in compliance with a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.
Container Disposal:	Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air

UN Number:	3082
Dangerous Goods Class:	9
Hazchem Code:	3Z
Packaging Group:	III
Proper Shipping Name:	Environmentally hazardous substance, liquid N.O.S. - Deltamethrin
Segregation:	Store locked up

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR100764
HSNO Classifications:	6.9B Harmful to human target organs (oral & inhalation; single & repeated exposure) 9.1A Very ecotoxic in the aquatic environment 9.3C Harmful to terrestrial vertebrates 9.4A Very ecotoxic to terrestrial invertebrates

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15. N.Z. REGULATORY INFORMATION

HSNO Controls: Refer to HSR100764

HSNO Approved codes of Practice: Refer to HSR100764

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

Classification and labelling according to Regulation:

(EC) No 1272/2008 [EU-GHS/CLP]

16. OTHER INFORMATION

SDS date of preparation: 03 / 10 / 2017

SDS date of revision: 03 / 10 / 2022

Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

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16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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