

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date: 11/12/2018

Page 1 of 11

## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>NO Wasps Nest Killer</b>
Relevant identified uses:	Insecticide
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:	<a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>
Website:	<a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

## 2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
2.1.2A*			Danger	H222	P103 <sup>b</sup> P210 P211 P251	No response statements	P410 + P412	No disposal statements
9.1A			Warning	H400/H410 <sup>m</sup>	P103 <sup>b</sup> P273	P391	No storage statements	P501
9.4B	Not applicable for the UN RTDG Model Regulations		No Signal Word	H442	P103 <sup>b</sup> P273	P391	No storage statements	P501

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date: 11/12/2018

Page 2 of 11

Dangerous Goods:	Class 9; signal word = warning
Packaging Group:	III
Hazardous Substance (HSNO) Codes:	2.1.2A (Extremely flammable aerosols) 9.1A (Very ecotoxic to the aquatic environment) 9.4B (Ecotoxic to terrestrial invertebrate)
Hazard Statements:	H222: Extremely flammable aerosols. H410: Very toxic to aquatic life with long lasting effects. H442: Toxic to terrestrial invertebrate.
Precautionary Statements:	P103: Read label before use. P210: Keep away from heat. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P273: Avoid release to the environment. P391: Collect spillage. P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C. P501: Achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use:	To control Insects
Appearance:	Transparent volatile liquid

#### Ingredients

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date:11/12/2018

Page 3 of 11

Ingredients	CAS #	Content %
d-Allethrin	584-79-2	1%< w/w
d-Phenothrin	26002-80-2	1%< w/w
Other ingredients	N/A	To 100 % w/w

## 4. FIRST AID MEASURES

General information:	In case of accident, or if you feel unwell, seek medical advice (show the label where possible).
Ingestion:	No acute oral toxicity, if in mouth, rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Eye Contact:	Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation persists seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Skin Contact:	Unlikely to cause skin irritation. Potentially cause paraesthesia, avoid skin contact. If on skin, rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.
Inhalation:	If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard but still avoid breathe in. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date:11/12/2018

Page 4 of 11

## 5. FIRE FIGHTING MEASURES

Specific Hazards:

Containers can build up pressure if exposed to heat and/or fire and may explode. Vapours may form an explosive mixture with air. Vapours can travel to a source of ignition and flash back. May float and be re-ignited on surface water. Will burn if involved in a fire. On burning may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion. Use water spray to keep fire-exposed containers cool.

Suitable Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do not discharge extinguishing waters into the aquatic environment. Do NOT use straight streams of water.

Fire Fighting Advice:

Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.

Hazchem code:

2YE

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:

Prevent leakage or spillage if safe to do so.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date: 11/12/2018

Page 5 of 11

## 6. ACCIDENTAL RELEASE MEASURES

Minor Spills (Up to 20 L):	Clean up immediately. Remove all sources of ignition. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Provide ventilation. Wash with water. Collect spillage.
Major Spills (more than 20 L):	Evacuate the spill area. Call the Fire Brigade. Remove all sources of ignition. If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Read product label before use. Keep out of reach of children. This product is highly flammable. Keep away from heat and open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use outdoors or in well-ventilated area. Avoid breathing spray. Wash hands with soap and water after handling.
Conditions for safe Storage including incompatibilities:	Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Store in a well ventilated, cool, dry place. Keep away from heat, sparks, and flame. Store locked up.
Protection against fire and explosion:	Keep away from heat sources as the product is flammable.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date:11/12/2018

Page 6 of 11

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

No value assigned for product. Exposure standards for constituents (NZ WES)

Material	TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
Naphtha, hydrotreated heavy (supplier)	1200	-

Engineering Controls:

Adequate ventilation when handling small quantities. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Larger quantities: General exhaust is adequate under normal operating conditions. Ventilation equipment should be explosion-resistant.

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. Contaminated work clothing should not be allowed out of the workplace. In case of inadequate ventilation wear respiratory protection. If TWA is exceeded, wear an approved respirator with a type A filter.

Environmental Exposure Controls:

Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date:11/12/2018

Page 7 of 11

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Transparent volatile liquid.
Solubility:	Not soluble in water. Soluble in common organic solvents.
Specific Gravity:	Not applicable
Boiling Point:	Not applicable
Viscosity:	Not applicable
Flash Point:	About 66 °C
pH Value:	Not applicable
Formula:	Insecticide aerosol
Chemical Family:	Pyrethroid
Explosion Limit, % v/v:	<b>LEL</b> 1.2% <b>UEL</b> 9.5%
Oxidising Agents:	Not an oxidant
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 reactive. Avoid oxidisers. Avoid elevated temperatures.
Incompatibility or conditions to be avoid:	Avoid strong oxidising agents. Avoid heat, sparks and open flame.
Corrosive Properties:	None corrosive.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if heated.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date: 11/12/2018

Page 8 of 11

## 11. TOXICOLOGICAL INFORMATION

### For the substance (final product):

Basis for assessment:	Information given is based on product testing, and/or similar products, and/or components.
Acute Oral Toxicity:	LD <sub>50</sub> calculated to be > 5000 mg/kg, Rat.
Acute Dermal Toxicity:	LD <sub>50</sub> estimated to be >5000 mg/kg, Rabbit.
Acute Inhalation Toxicity:	High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.
Skin corrosion/irritation:	Should not cause irritation.
Serious eye damage/eye irritation:	It is unlikely to cause eye damage or irritation.
Respiratory or skin sensitization:	Unlikely to cause an allergic skin reaction.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductivity:	Not reproductive.
Chronic Toxicity:	No chronic toxicity based on the classification.

## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	Very toxic in aquatic environments. Very toxic to bees, fish and aquatic invertebrates.
Bioaccumulative & rapid degradable:	Expected to be readily biodegradable. Has the potential to bioaccumulative. Oxidises rapidly by photo-chemical reactions in air. Floats on water. Adsorbs to soil and has low mobility.
Soil toxicity:	No soil toxicity.

The substance triggers HSNO class 9.1A, and 9.4B 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 controls. Therefore it is unlikely to cause any risk to the environment.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date:11/12/2018

Page 9 of 11

## 13. DISPOSAL CONSIDERATIONS

**Material Disposal:**

Product wastes are ecotoxic and should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water. Collect spillage. Large quantities should be degassed by an aerosol recycler. Do not dispose of large quantities of pressurised aerosols in landfills. Incineration by an authorised company is suggested.

**Container Disposal:**

Recycle empty container if possible. Product containers are also considered wastes of the same class of the contents and should be disposed of in accordance with applicable regulations.

## 14. TRANSPORT INFORMATION

**Road, Rail; Marine and Air****UN Number:**

1950

**Dangerous Goods Class:**

2.1

**Subsidiary risk:**

9

**Hazchem Code:**

2YE

**Packaging Group:**

III

**Proper Shipping Name:**

Flammable aerosol N.O.S.

**Marine pollutant:**

Yes, HSNO 9.1A.

**Segregation:**

Class 2.1 should not be loaded on the same vehicle as Classes 1, 3 (where both are in bulk), 4, 5 and 7.

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# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date:11/12/2018

Page 10 of 11

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR007671
HSNO Classifications:	2.1.2A Flammable aerosol 9.1A Very ecotoxic in the aquatic environment 9.4B Ecotoxic to terrestrial invertebrates
HSNO Controls:	Refer to HSR007671
HSNO Approved codes of Practice:	Refer to HSR007671

## 16. OTHER INFORMATION

SDS date of preparation:	02 / 11 / 2018
SDS date of revision:	02 / 11 / 2023
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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Kiwicare Ltd, PO Box 15-050, Christchurch 8643, New Zealand. Ph +64 3 389 0778. [www.kiwicare.co.nz](http://www.kiwicare.co.nz).

# SAFETY DATA SHEET

**KIWICARE®**

Product Name: NO Wasps Nest Killer

Issue Date: 11/12/2018

Page 11 of 11

## 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](http://www.kiwicare.co.nz), or contact the supplier of the starting material.

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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