

Safety Data Sheet: WaspJet Pro

1. IDENTIFICATION

Product Name: WaspJet Pro
Other Names: -
Recommended Use: Aerosol insecticide for outdoor control of wasps in domestic, commercial and industrial areas.
Distributor: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 0800 CHEMCALL (0800 243 622) 24 hours
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Hazard Classification) Notice 2020.

Approval: HSR101097; WaspJet Pro
Hazard Classifications: Aerosol Category 3, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

Pictograms:



Signal word: WARNING
Hazard statements: Contains gas under pressure; may explode if heated.
 Very toxic to aquatic life and with long lasting effects.
 Very toxic to terrestrial invertebrates.

Precautionary statements:

Prevention: Read label before use.
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 Avoid release to the environment.
Response: Collect spillage.
Storage: Protect from sunlight. Store in well-ventilated place.
Disposal: Dispose of product and container in accordance with local regulations.

Other information:

Hazardous Substance (Labelling) Notice 2020

Refer Section 15.

NZS5433 Transportation of Dangerous Goods on Land

Classified as DG Class 2.2, Sub Risk 9 for transport. Refer Section 14.

Safety Data Sheet: WaspJet Pro

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Cyphenothrin	39515-40-7	0.25
d-Tetramethrin	1166-46-7	0.25
Distillates (petroleum), hydrotreated light	64742-47-8	>60
Carbon dioxide	124-38-9	1 - 5
Other ingredients *	Proprietary	1 - 5

* do not affect the hazardous classifications of the product

4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Have product label or Safety Data Sheet at hand.

INGESTION: Rinse mouth. Do NOT induce vomiting. Get medical advice if person feels unwell.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.

SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. If irritation or rash develops, obtain medical advice. Wash contaminated clothing before reuse.

EYE CONTACT: Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. Get medical advice if irritation persists.

INHALATION: Remove patient to fresh air and keep at rest in a position comfortable for breathing until recovered. Get medical advice if person feels unwell or has respiratory symptoms, e.g. difficulty breathing.

First Aid facilities:

Provide eye baths and safety showers close to work areas.

Advice to Doctor:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flashpoint: Non-flammable aerosol (liquid flashpoint >90 °C).

Suitable extinguishing media: Alcohol resistant foam, dry chemical, carbon dioxide, or water fog. Use water fog/spray as appropriate for surrounding materials. Do not use water jet, as this will spread fire.

Hazards from combustion products: May generate harmful/toxic fumes/gases (e.g. carbon dioxide, carbon monoxide, nitrogen oxides) and smoke.

Precautions for fire fighters and special protective equipment: Containers can burst violently or explode when heated, due to excessive pressure build-up. If aerosol cans are ruptured, care is needed due to the rapid escape of the pressurized contents and propellant. Do not breathe vapour from heated material. Wear self-contained breathing apparatus with full face-piece and protective clothing.

If a leak or spill has not ignited, use water spray to disperse vapours and protect personnel from stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and water courses. If risk of water pollution, notify the appropriate authorities.

Hazchem Code: 2YE.

Safety Data Sheet: WaspJet Pro

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions:

Wear appropriate personal protection equipment to prevent contact with skin and eyes. Do not breathe vapours or spray mist. Evacuate area of non-essential personnel.

Environmental Precautions:

Eliminate ignition sources if safe to do so. No smoking, sparks, flames or other sources of heat/ignition to be located near spillage. Contain spill and prevent from entering confined spaces (as risk of explosion) or from entering drains, sewer or any water course. In event of large spill and contamination of a water-course, notify the Police, local Health Protection Officer and Council.

Methods and materials for containment

Contain any liquid spillage with earth, clay, sand or similar absorbent material. Collect into labeled container that can be sealed for disposal to landfill. Wash down area with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Keep out of reach of children. Read and observe all precautions and safety instructions on the label. No smoking. Keep away from food or feed stuffs, and any source of heat/ignition. Pressurized container. Avoid exposure of aerosol container to high temperatures or direct sunlight. Avoid discharge to aquatic environment. Keep container closed when not in use.

Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Do not breathe vapours/mist/spray. Use in well-ventilated area, or with mechanical ventilation in enclosed spaces. Wear impervious gloves and protect eyes from aerosol. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling before rest or meal breaks and end of work shift. Launder contaminated clothing before reuse.

Conditions for Safe Storage:

Store upright, in closed original packaging and out of reach of children. Keep in a cool, well-ventilated place, out of direct sunlight, and away from sources of ignition or heat. Keep containers upright and protect from damage. Do not store at temperatures exceeding 50 °C. Do not store with heat or flame, oxidizing materials, animal feed or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standards (WES), have been set by Worksafe, edition 12, November 2020, for carbon dioxide, the propellant used in this substance:

	WES -TWA	WES-STEL
Carbon dioxide	5000 ppm (9000 mg/m ³)	30,000 ppm (54,000 mg/m ³)

Biological limit values: None established

Engineering Controls:

Ventilation: Use outdoors or in a well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection should not be necessary when used in well-ventilated area or with mechanical ventilation in enclosed spaces.

Safety Data Sheet: WaspJet Pro

Eye Protection: Wear tight fitting safety goggles or glasses.

Skin/ Body Protection: Recommended to wear impervious gloves, cotton overalls and closed in footwear.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1716**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aerosol, colourless
Odour	Slight, characteristic
Odour threshold	Not determined
pH	Not determined
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not available
Flash Point °C	Liquid, >90°C
Flammability (solid, gas)	Carbon dioxide propellant in non-flammable
Upper/lower flammability/explosive limits	Not applicable
Vapour Pressure mm Hg @ 20°C	Not available
Vapour Density Pa @ 25°C	Not determined
Relative density	~0.9
Solubilities	Not available
Partition coefficient: n-octanol/water	Not available
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not available
Particle characteristics	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Heat or flame/ignition sources, or contact with oxidizing agents. Pressurized container may burst/explode if heated.

Hazardous decomposition products: On combustion, harmful/ toxic fumes/gases and smoke generated.

Hazardous reactions: Not known to occur.

11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

Acute toxicity: Not classified as being acutely toxic by ingestion, dermal contact or inhalation.

Aspiration hazard: Not classified as an aspiration hazard.

Respiratory irritation: Not classified as respiratory irritant. Spray/mists may cause respiratory tract irritation.

Skin corrosion/irritation: Slightly irritating to skin. Contact with spray can cause frostbite or cold burns.

Safety Data Sheet: WaspJet Pro

Serious eye damage/irritation: Slightly irritating to eyes.

Respiratory or skin sensitization: Not classified as sensitiser.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: Not classified.

Narcotic effects: Not classified.

Toxicological Information:

Cyphenothrin Oral, LD₅₀ (rat) 318 mg/kg b.w.

d-Tetramethrin Oral, LD₅₀ (rat) >2000 mg/kg b.w.

Oral, LD₅₀ (mouse) 1040 mg/kg b.w.

12. ECOLOGICAL INFORMATION

Ecotoxicity: This mixture is classified as very toxic to aquatic life and with long lasting effects, and is very toxic to terrestrial invertebrates. Do not contaminate waterways, sewers, or drains when using product, or when disposing of product or container.

Persistence and degradability: No specific information on product is available.

Potential to be bioaccumulative: No specific information available.

Mobility in soil: No specific information available. Product contains volatile organic compounds (VOC's) which will evaporate for all surfaces.

Other adverse effects: No information available

Ecotoxicological Information:

Cyphenothrin Rainbow trout (*Onchorhynchus mykiss*) LC₅₀ (96 hr) 0.00034 mg/L

Daphnia magna LC₅₀ (48 hr) 0.00043 g/L

d-Tetramethrin Fish LC₅₀ (96 hr) 5 – 9 µg/L

Algae LC₅₀ (72 hr) >1.25 g/L

Environmental Exposure Limits (EEL's): Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure packaging is empty before disposal to landfill. Do not reuse empty containers. Do not pierce or burn/incinerate. Containers may contain residue that is hazardous.

Waste should be disposed of to an approved waste disposal facility or by burying at an approved site. Ensure disposal of packaging and product is in compliance with requirements of national and local authorities.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1950	UN No.	1950	UN No.	1950
Proper Shipping Name	AEROSOLS	Proper Shipping Name	AEROSOLS	Proper Shipping Name	AEROSOLS
DG Class	2.2	DG Class	2.2	DG Class	2.2
Sub. Risk	9	Sub. Risk	9	Sub. Risk	9

EMERGENCY PHONE: 0800 CHEMCALL (0800 243 622) 24 hours

Date of Issue: 3rd August 2022

Date of Revision: August 2027

Safety Data Sheet: WaspJet Pro

Pack Group	-	Pack Group	-	Pack Group	-
Hazchem	2YE	Hazchem	2YE		

Marine Pollutant: Yes

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 2.2 for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005 and amendments, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: HSR101097; WaspJet Pro

Classifications: Aerosol Category 3,
Hazardous to terrestrial invertebrates,
Hazardous to the aquatic environment acute Category 1,
Hazardous to the aquatic environment chronic Category 1.

Controls: Refer to www.epa.govt.nz for information on Controls.

Additional Controls (Labelling) : Ecotoxic.

Additional label statement requirements under Hazardous Substances (Labelling) Notice 2020:

- Pictograms, signal word, hazard statements and precautionary statements
- Disposal information
- Statement (consumer product): Read label before use.
- Statement: Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
- Statement (or similar wording): Do not apply into or onto water.

ACVM Act 1997

Registration Number: Not applicable (exempt).

Tradename:

16. OTHER INFORMATION

Date of issue: 3rd August 2022

Reasons for Issue: Update 24 hr emergency number.

Replaces: SDS dated 13th April 2022

Abbreviations:

ACVM	Agricultural Compounds and Veterinary Medicines
ECHA	European Chemical Agency
EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms

EMERGENCY PHONE: 0800 CHEMCALL (0800 243 622) 24 hours

Date of Issue: 3rd August 2022

Date of Revision: August 2027

Safety Data Sheet: WaspJet Pro

NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

References:

EPA www.epa.govt.nz

Supplier information and SDS

Worksafe NZ www.worksafe.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.