

SAFETY DATA SHEET: Dust2Dust

1. IDENTIFICATION

Product Name: Dust2Dust
Other names: -
Use: Insecticide
Supplier: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 027 494 1659
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARD IDENTIFICATION

Product is classified as hazardous according to Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996.

HSNO Approval: HSR000272
Hazard Classifications: 6.5A, 6.5B, 6.9B, 9.1A, 9.4B
Pictograms:



Signal word: DANGER

Hazard Statements:

H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373 May cause damage to organs through prolonged or repeated oral exposure.
H400 Very toxic to aquatic life.
H442 Toxic to terrestrial invertebrates

Prevention Statements:

P103 Read label before use.
P260 Do not breathe dust.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.
P285 In case of inadequate ventilation wear respiratory protection (mask or cartridge with particulate filter).

Response Statements:

P314 Get medical advice if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice.
P363 Wash contaminated clothing before reuse.
P304 + P341 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
P391 Collect spillage.

Storage Statements:

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Frank Visser, Managing Director: 0274 941 659

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Disposal Statements:

P501 Dispose of product and containers in accordance with local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Permethrin	52645-53-1	2.0
Talc	14807-96-6	>80

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 or if person feels unwell. Have product label or Safety Data Sheet at hand.

INGESTION: Do not induce vomiting. Rinse mouth. Call POISON CENTRE or doctor for advice.

SKIN CONTACT: Wash with soap and water. If irritation or rash occurs, obtain medical advice.

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. If irritation persists, obtain medical assistance.

INHALATION: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is experiencing respiratory problems, get medical advice.

First Aid facilities: Provide eye baths and safety showers close to areas where exposure may occur.

Advice to Doctor: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flashpoint: Non-flammable solid. May support combustion at elevated temperatures.

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide or water fog. Contain runoff.

Hazards from combustion products: Thermal decomposition may produce toxic/harmful compounds including oxides of carbon, hydrogen chloride, chlorine, sulfur dioxide.

Precautions for fire fighters and special protective equipment: Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.

Hazchem Code: 2Z

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Wear appropriate personal protection equipment to prevent skin and eye exposure.

Wear approved respirator where dust of an unknown concentration may be generated. Self-contained breathing apparatus is recommended for large spillages.

Methods and materials for containment

In the event of a spill, isolate area and take all practicable steps to prevent product from entering streams and waterways. Contain spillage. Collect up spill into labelled container for recovery or disposal. Clean up and report spills immediately. In event of spillage contaminating a watercourse, notify the Police, local Health Protection Officer and Council.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep out of reach of children. Do not breathe dust. Avoid contact with skin or eyes. Observe good personal hygiene practices and recommended procedures including wearing of personal protection equipment. Wash hands thoroughly with soap and water after handling.

Conditions for safe storage: Keep out of reach of children. Store out of direct sunlight in a well-ventilated area, and away from food or animal feedstuffs and oxidizing compounds. Avoid contamination of and with other products.

Incompatible materials: Not specified.

Other: Changing out of work clothing and showering recommended at the end of each work shift. Wash work clothes separately from other household clothing.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: A Workplace Exposure Standard (WES), has been set by Worksafe for an ingredient in this substance.

Talc (as respirable dust) WES-TWA 2 mg/m³

Biological limit values: None established

Engineering Controls:

Ventilation: Use in well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection may be necessary under certain use conditions, e.g. confined space. Under such conditions, an approved respirator with a particulate filter according to local standards, should be worn.

Eye Protection: Where there is risk of dust, wear safety goggles to avoid contact with eyes.

Skin/ Body Protection: Wear gloves, e.g. rubber or equivalent).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder
Odour	No detectable odour
Odour threshold	Not determined
pH	Not determined
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not applicable
Flash Point °C	Not flammable.
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not determined
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density kPa @ 20°C	Not determined
Relative density	Not determined
Solubilities	Disperses in water
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Exposure to sunlight or sources of ignition.

Incompatible materials: Oxidizing compounds.

Hazardous decomposition products: Thermal decomposition may produce toxic or harmful compounds including oxides of carbon, hydrogen chloride, chlorine, sulfur dioxide.

Hazardous reactions: None specified.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity: Not classified as being acutely toxic.

Aspiration hazard: Not classified as an aspiration hazard.

Respiratory irritation: Talc dust may be irritating to the upper respiratory tract.

Skin corrosion/irritation: Not classified as skin irritant.

Serious eye damage/irritation: Not classified as an eye irritant.

Respiratory or skin sensitization: Not classified as either a respiratory or contact sensitizer.

Germ cell mutagenicity: Not classified.

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Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: Permethrin may cause damage to blood and hematopoietic system if ingested or inhaled by repeated or prolonged exposure.

Narcotic effects: Not classified.

Toxicological Information:

Permethrin - Rat, oral, LD₅₀ 220 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: This mixture is classified as toxic to aquatic life and as toxic to terrestrial invertebrates. Do not contaminate waterways, sewers, or drains when disposing of product or packaging.

Persistence and degradability: Permethrin is expected to rapidly degrade.

Potential to be bioaccumulative: Permethrin may bioaccumulate.

Mobility in soil: Product disperses in water. Limited solubility. Permethrin has high affinity for organic matter so unlikely to move in soil or contaminate groundwater.

Other adverse effects: No information available

Ecotoxicological Information:

Permethrin - Rainbow trout LC₅₀ (96 hr) 0.0001 mg/L

- *Ceriodaphnia dubia* (water flea) EC₅₀ (48 hr) 0.00055 mg/L

- *Apis mellifera* (honey bee) LD₅₀ (mortality) 0.024 µg/organism

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

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Crush and dispose of empty containers. Containers may contain residue. Do NOT use for storage of other products.

Waste resulting from use may be disposed of to an approved waste disposal facility. Dispose in accordance with all local and national regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3077	UN No.	3077	UN No.	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (CONTAINS 2% PERMETHRIN)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (CONTAINS 2% PERMETHRIN)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, N.O.S. (CONTAINS 2% PERMETHRIN)
DG Class	9	DG Class	9	DG Class	9
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	2Z	Hazchem	2Z		

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 9 for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

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15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: HSR000272

Substance name: Powder containing 10 -25 g/kg permethrin.

Classifications: 6.5A, 6.5B, 6.9B (O, I), 9.1B, 9.4B

HSNO Controls: Refer to www.epa.govt.nz and www.worksafe.govt.nz for information on Default Controls and HS Notices.

Additional HSNO Controls have been assigned specific to this substance.

Regulation: 77A

Variation:

Do not apply onto or into water.

ACVM Act 1997

Registration Number: Not applicable.

Refer to www.foodsafety.govt.nz

16. OTHER INFORMATION

Date of Issue: 13th January 2020

Reasons for Issue: Review and amend SDS format and product information.

Replaces: SDS dated 12th January 2015

Abbreviations:

EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
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

New Zealand Food Safety Authority www.foodsafety.govt.nz

Supplier Safety Data Sheets

Other:

The information contained herein is given in good faith but no warranty, expressed or implied is made.

End of safety data sheet

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.

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Date for Revision: January 2025