

## 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:** CHEMCALL 0800 243 622, 24 hours  
**National Poisons Centre:** 0800 POISON (0800 764 766)

### 2. HAZARD IDENTIFICATION

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

**HSNO Approval:** HSR000272  
**Hazard Classifications:** Respiratory sensitisation Category 1,  
Skin sensitisation Category 1,  
Specific target organ toxicity (repeated exposure) Category 2,  
Hazardous to terrestrial invertebrates,  
Hazardous to the aquatic environment acute Category 1,  
Hazardous to the aquatic environment chronic Category 1

**Pictograms:**



**Signal word:** DANGER

**Hazard Statements:**

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

**Prevention Statements:**

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

**Response Statements:**

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

**EMERGENCY PHONE: CHEMCALL 0800 243 622**

Date of Issue: 23 May 2022  
Date for Revision: May 2027

## SAFETY DATA SHEET: Dust2Dust

### Storage Statements:

-

### Disposal Statements:

Dispose of product and containers in accordance with local regulations.

### Other information:

*Hazardous Substance (Labelling) Notice 2020*

Keep out of reach of children.

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

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto water.

Do not apply substance to plants if-

(a) bees are foraging; or

(b) the plants are in flower or part flower, and are likely to be visited by non-target invertebrate pollinators (including bees).

*NZS5433 Transportation of Dangerous Goods on Land*

Classified as DG Class 9 for transport.

### 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

**EMERGENCY PHONE: CHEMCALL 0800 243 622**

Date of Issue: 23 May 2022

Date for Revision: May 2027

## SAFETY DATA SHEET: Dust2Dust

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.

## 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/m<sup>3</sup>

**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.

**EMERGENCY PHONE: CHEMCALL 0800 243 622**

Date of Issue: 23 May 2022

Date for Revision: May 2027

## SAFETY DATA SHEET: Dust2Dust

**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 by ingestion, dermal contact or inhalation.  
**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:** Permethrin is identified as both a respiratory and contact sensitizer.  
**Germ cell mutagenicity:** Not classified.  
**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. May also affect the liver and nervous systems.  
**Narcotic effects:** Not classified.

#### Toxicological Information:

Permethrin - Rat, oral, LD<sub>50</sub> 220 mg/kg

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This mixture is classified as toxic to aquatic life and with long-lasting effects, and also as toxic to terrestrial invertebrates. Do not contaminate waterways, sewers, or drains when using product, or 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 LC<sub>50</sub> (96 hr) 0.0001 mg/L  
- *Ceriodaphnia dubia* (water flea) EC<sub>50</sub> (48 hr) 0.00055 mg/L  
- *Apis mellifera* (honey bee) LD<sub>50</sub> (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.

## SAFETY DATA SHEET: Dust2Dust

### 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 5433:2020 Transport of Dangerous Goods on Land for information.

### 15. REGULATORY INFORMATION

#### HSNO Act 1996

**Approval Code:** HSR000272

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

**Classifications:** Respiratory sensitisation Category 1,  
Skin sensitisation Category 1,  
Specific target organ toxicity (repeated exposure) Category 2,  
Hazardous to terrestrial invertebrates,  
Hazardous to the aquatic environment acute Category 1,  
Hazardous to the aquatic environment chronic Category 1

**HSNO Controls:** Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for information on Default Controls and HS Notices.

**Additional information:** [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

#### ACVM Act 1997

**Registration Number:** Not applicable.

Refer to [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)

### 16. OTHER INFORMATION

**Date of Issue:** 23<sup>rd</sup> May 2022

**Reasons for Issue:** Update hazardous classifications to GHS format categories and review SDS.

**Replaces:** SDS dated 13<sup>th</sup> January 2020

#### Abbreviations:

ACVM	Agricultural Compounds and Veterinary Medicines
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

**EMERGENCY PHONE: CHEMCALL 0800 243 622**

Date of Issue: 23 May 2022

Date for Revision: May 2027

## SAFETY DATA SHEET: Dust2Dust

### References:

EPA [www.epa.govt.nz](http://www.epa.govt.nz)  
New Zealand Food Safety Authority [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)  
Supplier Safety Data Sheets  
Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

### 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.