



# SAFETY DATA SHEET

## SILO<sup>®</sup> DUST Insecticide

Date of Issue: 7 December 2021

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Pirimiphos-Methyl 2%  
Recommended use: Insecticide  
Supplier: UPL New Zealand Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
www.upl-ltd.com/nz

Emergency telephone number: 0800 CHEM CALL (0800 243 622) 24 Hours

### 2. HAZARDS IDENTIFICATION



Hazard Classification: 6.8B, 6.9B, 9.1A, 9.3C, 9.4C

Required identification Details:

**WARNING:**

Keep out of the reach of children.  
Read label carefully before use.

Suspected of damaging fertility or the unborn child.  
May cause neurological symptoms through prolonged or repeated exposure.  
Very toxic to aquatic life.  
Harmful to terrestrial vertebrates.  
Harmful to terrestrial invertebrates.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Pirimiphos-Methyl	29232-93-7	2
Other ingredients, stabiliser, filler etc	Proprietary	Remainder

### 4. FIRST-AID MEASURES

Description of necessary first aid measures:

General information:

#### First-aid measures

**Inhalation:** If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Seek medical advice if feeling unwell.

<b>Ingestion:</b>	If swallowed do not induce vomiting. Keep strictly at rest as continued movement enhances toxic effects. Seek medical advice immediately.
<b>Skin contact:</b>	soap and water. Wash contaminated clothing before reuse. Seek medical advice if irritation persists.
<b>Eye contact:</b>	If concentrate is splashed in the eyes, hold eyes open and flush with running water for at least 15 minutes. Remove contact lenses if easy to do so. Get medical attention if irritation persists.
<b>First Aid Facilities:</b>	
<b>Notes to a physician:</b>	None known.

## 5. FIRE-FIGHTING MEASURES

<b>HAZCHEM Code:</b>	2Z
<b>Fire/Explosion Hazard:</b>	May be combustible in a fire. As with many dusts, an explosive air/dust mixture may be formed if rough handling liberates dust in enclosed or poorly ventilated areas.
<b>ERP Guide No:</b>	47
<b>Extinguishing media:</b>	Water spray, foam, dry chemical, Carbon dioxide (CO <sub>2</sub> ).
<b>Hazardous thermal (de)composition products:</b>	May include carbon monoxide. During a fire, toxic fumes may be emitted.
<b>Specific methods:</b>	
<b>Protection of fire-fighters:</b>	Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or gases.
<b>Other Information:</b>	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Do not inhale dust. If dust is generated, wear respiratory protection. Wear protective clothing as described in Section 8.
<b>Environmental precautions:</b>	Exclude non-essential people from the area.
<b>Methods for cleaning up:</b>	Moisten to prevent dusting and carefully sweep up. Place in a waste container. Dispose of safely in suitable landfill.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Keep out of the reach of children. When mixing or applying, avoid contact with skin and eyes. Avoid inhalation of dust. Wear protective clothing, gloves and goggles. Do not eat, drink or smoke while using. Wash hands and face before meals and after work. Wash protective clothing after work.
<b>Safe Storage:</b>	Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Do not store for prolonged periods in direct sunlight.
<b>Record Keeping:</b>	Record of use must be kept if 3kg or more is used in an area within 24 hours and is likely to enter air or water and leave that place.
<b>Packaging materials:</b>	HDPE Plastic
<b>Site requirements under HSNO regulations:</b>	A location test certificate, hazardous atmosphere zone and secondary containment is not required. Fire extinguishers are not required. Signage is required for 100 kg or more. Emergency information is required for 3 kg or more. An emergency plan is required for more than 100 kg. Separation/Segregation from incompatible substances is not applicable.
<b>Additional Requirements:</b>	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

#### Exposure Standards:

Product – None established (use lowest practicable level)  
Active ingredient – None established (use lowest practicable level).

(Recommendation: Pirimiphos-methyl 3 mg/m<sup>3</sup> [8hr TWA])  
Excipients - None established (use lowest practicable level)

#### Exposure Standards outside the workplace:

No exposure standards have been set for this product or the active ingredients.

### Engineering measures

#### Exposure control measures:

Limited given nature of use.

### Personal Protective Equipment

#### Detail specifications for equipment:

#### Respiratory system:

Respirator (organic vapour and particulate matter) when handling or applying.

#### Skin and body:

When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC/nitrile gloves and goggles and boots.

#### Hands:

Elbow-length PVC/nitrile gloves.

#### Eyes:

Wear safety goggles (or full-face respirator with visor) when handling or applying.

#### General hygiene:

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

#### Biological Monitoring:

Regular users in direct control should undergo biological monitoring of cholinesterase activity. Consult with your GP or Occupational Health Advisor.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State: Colour, Odour.

Grey-brown dust. Non-specific odour.

#### pH:

NA

#### Vapour Pressure:

2 mPa (20°C) (pirimiphos-methyl)

#### Boiling Point:

#### Flash Point:

#### Freezing/Melting point:

Not available.

#### Solubility in water:

Not soluble.

#### Specific gravity/Density:

Not volatile.

#### Auto-ignition:

#### Flammable limits:

#### Flashpoint:

#### Octanol/water partition coefficient:

#### Explosive Properties:

Not available. As with many dusts, an explosive air/dust mixture may be formed if rough handling liberates dust in enclosed or poorly ventilated areas.

#### Oxidation Properties:

Not an oxidizer.

#### Other:

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## 10. STABILITY AND REACTIVITY

#### Stability:

Stable under normal conditions.

#### Conditions to avoid:

#### Materials to avoid:

Avoid mixing with strong acids, alkalis and oxidising agents such as chlorine compounds, ammonium nitrate etc.

#### Hazardous Decomposition

Decomposition will not occur under normal conditions.

**Products:****Hazardous polymerization:****Hazardous Reactions:**

Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable.

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**11. TOXICOLOGICAL INFORMATION****Acute toxicity – Oral:**LD<sub>50</sub> (rat) 1414 mg/kg**Acute toxicity - Dermal:**LD<sub>50</sub> (rat) >2000 mg/kg**Acute toxicity – Inhalation:**LC<sub>50</sub> (rat) >5.04 mg/L (4 hr)**Inhalation and Ingestion:**

Excessive sweating, salivation, headache, weakness, faintness, nausea, diarrhoea, small pupils, blurred vision, muscle twitching.

**Skin irritation:**

Mild skin irritant. Can be absorbed via the skin (see symptoms under 'swallowed' above).

**Eye irritation:**

Mild irritation. May cause constriction of the pupil.

**Respiratory Sensitization:****Sensitization:**

None.

**Mutagenic Effects:**

None.

**Carcinogenic Effects:**

None.

**Chronic toxicity****Teratogenic Effects:**

Suspected

**Reproductive Effects:**

Suspected

**Systemic Effects:**

Interferes with cholinesterase, an enzyme essential for the correct functioning of the nervous system.

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**12. ECOLOGICAL INFORMATION****Acute Toxicity:****Aquatic**LC<sub>50</sub> (96 hr) (Rainbow trout) 0.64 mg/LLC<sub>50</sub> (48 hr) (Daphnia) 0.21 µg/L

Aqua C 1.0 mg/L

**Bees:**

Toxic to bees.

**Birds:**Acute Oral LG<sub>50</sub> (Bobwhite quail) 40 mg/kg**Soil:**

Biodegradable. DT50 (soil) 3.5 – 30 days

**Bioaccumulative potential:**

Not established

**Mobility:**

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**13. DISPOSAL CONSIDERATIONS****Methods of disposal:**Dispose of product by using it in accordance with the label.  
Do not burn. Waste product should be disposed of to a suitable landfill.**Empty container precautions:**

Triple rinse container; add rinsate to the spray tank. Offer the container for recycling through the Agrecovery programme, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.



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**14. TRANSPORT INFORMATION - International transport regulations****UN number:**

3077

**Hazchem**

2Z

**Classification Code:**

9

**Packing Group:**

III

**Marine Pollutant:**

Yes

**Proper shipping name:**

ENVIRONMENTAL HAZARDOUS SUBSTANCE, SOLID N.O.S.

(PIRIMIPHOS-METHYL 2%) ORGANOPHOSPHORUS INSECTICIDE. MARINE POLLUTANT.

MTQ (non-Commercial): 250 kg

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## 15. REGULATORY INFORMATION

ACVM Registered Number: P009247  
HSNO Approval Code: HSR000197

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## 16. OTHER INFORMATION

Additional information: Original Issue Date: 1 November 2012  
Revision Date: 8 December 2021  
Replaces: ES458

**Disclaimer EXCLUSION OF LIABILITY: PLEASE READ**

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