

SAFETY DATA SHEET

THIRAM 80 WDG

Date of Issue: 6th March 2018

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Thiram

Recommended use: Fungicide

Supplier: Agrisource 2000 Limited
45 Kitchener Road
Pukekohe
Phone: 09 237 0422

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classifications:

6.1B, 6.4A, 6.5B, 6.8B, 6.9B, 9.1A, 9.3B

Required identification Details:

DANGER – Keep out of Reach of Children

6.1B (Inhalation): Fatal if inhaled.

6.1C (Oral): Toxic if swallowed.

6.4A: May cause eye irritation.

6.5B: May cause an allergic skin reaction.

6.8B: Suspected of damaging fertility or the unborn child.

6.9B: May cause damage to heart, kidneys and cardiovascular system from repeated oral exposure at high doses.

9.1A: **Very Toxic** to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container.

9.3B: **Toxic** to terrestrial vertebrates

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
thiram	137-26-8	80%

4. FIRST-AID MEASURES

Description of necessary first aid measures: In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. **Phone 0800 764 766, (0800 POISON).**

General information:	Remove the affected person from the source of exposure. Remove all contaminated clothing and wash affected area. If you feel unwell seek medical attention.
Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.
Ingestion:	Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Skin contact:	In case of skin contact, immediately flush skin with plenty of water and soap. Remove contaminated clothing. Get medical attention if irritation persists.
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

5. FIRE-FIGHTING MEASURES

Type of Hazard:	Combustible product at elevated temperatures
Extinguishing media :	Water spray, dry chemical, carbon dioxide, alcohol-resistant foam
HAZCHEM Code:	2XE
Fire Hazard Properties:	Dust may form explosive mixture in air. Heating can release hazardous gases.
Protection of fire-fighters:	Wear protective clothing and self contained breathing apparatus. Do not breathe smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes. Do not inhale dust. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.
Environmental precautions:	Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.
Methods for cleaning up:	In the case of spillage, contain spilled material. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum or shovel waste into a drum. To decontaminate spill area, tools and equipment, wash with water. Dispose of drummed wastes in accordance with the requirements of Local Authorities

7. HANDLING AND STORAGE

Handling:	When mixing or applying, avoid breathing dust and contact
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with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of reach of children. Store in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Packaging materials:

Multiwall paper bag.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Workplace exposure standards:

TWA: 0.05mg/m³ Inhalable fraction and vapour.

Engineering measures

Exposure control measures:

Ensure ventilation is adequate, as product is used outdoors generally natural ventilation is adequate.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Where insufficient ventilation, use suitable respiratory protection.

Skin and body:

When opening the container, preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

Hands:

Elbow-length and neoprene gloves

Eyes:

Wear chemical goggles or face shield.

General hygiene:

Avoid inhaling product or dust. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Solid

Colour:

Light brown

Odour:

Characteristic

pH:

Approx. 8 (1% solution)

Solubility in water:

Dispersible in water.

Specific gravity or density:

Approx. 0.60g/ml

Flashpoint:

Not Flammable

Autoignition:

235°C

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Conditions to avoid:	Extreme heat, humid air and water.
Materials to avoid:	Decomposes by reaction with strong acids.
Hazardous decomposition Products:	May include nitrogen, sulphur and carbon oxides. Heating or fire can release toxic gas.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	Estimated LD ₅₀ = 262 mg/kg
Acute toxicity - Dermal :	LD ₅₀ > 2000 mg/kg (rat)
Acute toxicity – Inhalation:	Estimated LC ₅₀ = 0.06 mg/L in air
Skin irritation :	Non irritating
Eye irritation:	Irritating
Sensitization :	Causes sensitisation

12. ECOLOGICAL INFORMATION

Fish toxicity:	LC ₅₀ (96hr) = 0.046 – 1.20mg/L
Daphnia toxicity:	LC ₅₀ (48 hr) = 0.2mg/L
Bacteria toxicity:	IC ₅₀ = 3.11mg/L

13. DISPOSAL CONSIDERATIONS

Methods of disposal :	Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.
Container disposal:	Ensure bag is completely empty by adding residue to spray tank. Burn empty packaging in an appropriate incinerator if permitted and circumstances, such as wind direction permit. Otherwise bury in a suitable landfill.

14. TRANSPORT INFORMATION -International transport regulations

UN number:	2771
Class:	6
Packing Group:	II
Marine Pollutant:	Yes
Proper shipping name :	THIOCARBAMATE PESTICIDES, SOLID, TOXIC

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
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15. REGULATORY INFORMATION

ACVM Registered Number:	P0677 (See www.foodsafety.govt.nz/acvm for registration Conditions).
HSNO Approval Code:	HSR000738 (See www.epa.govt.nz for controls).
Approved Handler:	This product must be under the personal control of an approved handler or secured.
Tracking:	Location and movement of this product must be recorded at each stage of its life cycle.

16. OTHER INFORMATION

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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