



SAFETY DATA SHEET

PENNCOZEB® 75DF

Date of Issue: 24th June 2020

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s):	Penncozeb 75DF
Recommended use:	Fungicide
Supplier:	UPL New Zealand Limited PO Box 51584, Pakuranga Auckland Phone 0800 100 325
Emergency telephone number:	0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.3B, 6.4A, 6.5A, 6.5B, 6.9B, 9.1A



Required identification Details:

DANGER

Keep out of reach of Children.
Read label before use.

Causes eye irritation and mild skin irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause allergic skin reaction.
May cause liver damage from repeated oral exposure at high doses.
Very toxic to aquatic life.

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood.
Wear cold insulating gloves/face shield/eye protection.
Do not get in eyes, on skin or on clothing.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
Do not apply directly into or onto water.

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

Avoid contamination of any water supply with product or empty container.

Precautionary Statements - Response

If exposed or concerned, get medical advice/attention.

If on skin: Wash with plenty of soap and water.

Call a **Poison Centre** or doctor if you feel unwell.

Wash contaminated clothing before re-use.

If skin irritation or rash occurs get medical advice/attention.

Store locked up.

Precautionary Statements - Storage

Precautionary Statements - Disposal

Dispose of contents/container at an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Mancozeb	8018-01-7	75
Ethylene thiourea	96-45-7	0-0.5
Sodium diisopropyl naphthalene sulfonate	1332-93-6	2.07

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation:

Remove victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. Call a poison control centre or doctor for treatment advice.

Ingestion:

Call a doctor or the National Poison Centre 0800 poison (0800 764 766). Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Skin contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or a doctor for treatment advice.

Eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 mins then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Important symptoms and effects:

No data available

Notes to a physician:

No information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Use extinguishing media that are appropriate to local circumstances and the environment.

Specific Hazards arising from the Chemical:

No data available.

Hazardous thermal (de)composition products:

HAZCHEM Code:
Protection of fire-fighters:

If heated to decomposition (>112°C) flammable ethylene is produced.

Wear full PPE. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NOSH (approved and equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes. Wear protective gloves and clothing and eye/face protection. Wash thoroughly after using.

Environmental precautions:

Prevent from entering drains, waterways or sewers.

Methods for cleaning up:

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:

Avoid breathing dust. Keep out of the reach of children. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. If allowed to become wet, the product will deteriorate and represent a fire hazard.

Incompatible materials:

Strong acids, Strong oxidising agents. Quaternary ammonium salts. EDBC sequestering agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines
Exposure Standards:

No exposure standard for this product has been set, however, an exposure standard has been set for manganese, dust and compounds at 1 mg/m³.

Engineering measures
Exposure control measures:

Natural ventilation is sufficient when handling concentrate and preparing spray solution.

Personal Protective Equipment

Respiratory system:

Where airborne exposure is likely, use NIOSH approved respiratory protective equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles.

Skin and body:

Wear protective gloves/clothing. Long sleeves; socks and footwear.

Eyes/Face Protection:

Use eye protection to avoid eye contact. Where there is potential for eye contact, have flushing equipment available. Safety glasses with side shields. Wear goggles if splashes are likely.

General hygiene:

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State, colour:

Free-flowing microgranules. Grey yellow brown.

Odour:

Slight rotten egg-like.

pH:

6.9

Vapour Pressure:	Not available.
Boiling Point:	Not available.
Flash Point:	Not available
Freezing/melting point:	7.9°C / 46°F
Solubility:	Not available.
Bulk Density:	0.63 g/ml
Information for flammable material:	Not available.
Viscosity:	Not available.
Octanol/water partition coefficient:	Not available.
Autoignition temperature.	159°C

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Reactivity:	No data available
Conditions to avoid:	Protect from water
Possibility of Hazardous reactions:	None under normal processing.
Hazardous Decomposition Products:	Lead oxides.
Incompatible materials:	Strong acids. String oxidising agents. Quaternary ammonium salts. EDBC sequestering agents.

11. TOXICOLOGICAL INFORMATION

Product Information:	Mancozeb: Acute oral LD ₅₀ (rat) = >5000 mg/kg Acute dermal LD ₅₀ (rabbit) = >2000 mg/kg Acute inhalation LC ₅₀ (rat) = >5.2 mg/L - 4 hr
Inhalation	Inhalation of dust may result in respiratory irritation.
Eye contact	Moderately irritating to eyes
Skin contact	May be harmful if absorbed through the skin
Ingestion	The concentrate is of low toxicity if swallowed.
<u>Information on Toxicological Effects</u>	
Symptoms	No information available
<u>Delayed and immediate effects as well as chronic effects from long and short-term exposure</u>	
Sensitization	May cause sensitization by skin contact or inhalation
Mutagenic effects	No data available
Carcinogenicity	No data available
Reproductive effects	Evidence from animal studies suggests the potential for developmental toxicity on repeated or prolonged exposure.
STOT – single exposure	No data available
STOT – Repeated exposure	Prolonged exposure to dust or mists containing manganese compounds can cause progressive poisoning. The signs and symptoms are apathy, loss of balance and weakness. More advanced poisoning may show evidence of central nervous system disturbance.

Aspiration hazard

No Information available

Numerical Measures of Toxicity – Product information**LD₅₀ Oral**

5000 mg/kg (rat)

LD₅₀ Dermal

>2000 mg/kg (rat)

LC₅₀ InhalationLC₅₀/inhalation/4hr/rat = >20 mg/l (1hr)

12. ECOLOGICAL INFORMATION**Ecotoxicity:***Mancozeb*

Rainbow trout = 0.73 mg/L 96hr

Fathead minnow = 0.57 mg/L 96hr

Bluegill sunfish = 0.84 mg/L 96hr

Freshwater algae = 0.43 mg/L 72hr

Persistence/Degradability

No data available

Bioaccumulation/Accumulation

No information available

Other Adverse Effects

No data available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods:****Product disposal**

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals.

Container disposal

Shake the last amount of product from the bag into application equipment. Dispose of in accordance with local regulations.

If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

Empty containers and product should not be burnt.

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

UN3077

Proper shipping name:

Environmentally Hazardous Substance, Solid, N.O.S (Mancozeb)

Hazard Class

9

Packing Group:

III

Marine Pollutant:

Yes

IMDG**UN number:**

UN3077

Proper shipping name:

Environmentally Hazardous Substance, Solid, N.O.S (Mancozeb)

Hazard Class

9

Packing Group:

III

Marine Pollutant:

Yes

15. REGULATORY INFORMATION

HSNO Approval Code: HSR000737
ACVM Registered Number: P004470

16. OTHER INFORMATION

Additional information: **Original Issue Date:** June 2019
Revision Date: 24/6/20
Replaces:

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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