



SAFETY DATA SHEET

SUPERMANZ[®] Fungicide

Date of Issue: 17 July 2021

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Mancozeb 455 SC

Recommended use: Fungicide

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:
Required identification Details:

6.4A, 6.5A, 6.5B, 6.9B, 9.1A

Signal Word: DANGER

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

May cause eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause sensitisation from prolonged skin contact.
May cause liver damage from repeated oral exposure at high doses.
Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Mancozeb	8018-01-7	45
Inert Ingredients		55

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. Phone 0800 764 766, (0800 POISON).

General information:

Irritating to skin and eyes. May be harmful if swallowed

First-aid measures

Inhalation:

Remove to fresh air. Apply artificial respiration if necessary. Get

Ingestion:	medical help if breathing difficulty persists. Do not induce vomiting. Give a glass or two of water. Get medical help. Never give anything by mouth to an unconscious person
Skin contact:	Remove contaminated clothing. Wash with soap and water. If irritation persists see a doctor.
Eye contact:	Immediately flush with water for 15 minutes. If irritation persists see a doctor
Notes to a physician:	

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:	CALL FIRE SERVICE ON 111 informing them of the UN No. 2X
Type of Hazard:	
Extinguishing media:	Fog, dry chemical powder, CO2, Alcohol or polymer foam, water spray.
Hazardous thermal (de)composition products:	Hydrogen sulphide, carbon disulphide and oxides of carbon, nitrogen and sulphur.
Protection of fire-fighters:	Wear full protective clothing and self-contained breathing apparatus. Do not breath smoke or gases. Run-off from fire control may be a pollution hazard.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Eliminate all sources of ignition. Do not create dust. Use appropriate Personal Protection Equipment (as in section 8) during clean up.
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
Methods for cleaning up:	Contain spill - do not allow material to enter sewers or bodies of water. Keep unprotected persons and animals out of the area. Soak up with sand, sawdust or other absorbent material, shovel or sweep up. Transfer to a closable, labelled salvage container for disposal by an appropriate method (e.g. bury in an approved landfill).

7. HANDLING AND STORAGE

Handling:	Store in original container, tightly closed in a locked, dry, well ventilated place away from food or feedstuffs. Keep away from sparks, heat and flames. Keep out of reach of children or animals
Storage:	
Packaging materials:	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines Exposure Standards:

Engineering measures Exposure control measures:

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Personal Protective Equipment Detail specifications for equipment:

Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using.

Respiratory system:
Skin and body:

Wash hands and face before meals and after work.
Wear dual cartridge respirator for dusts and mists.
Mixers and loader must wear overalls, protective goggles and chemical resistant apron. Applicators and other operators must wear overalls, protective goggles and waterproof gloves.
Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.
Protective gloves.
Safety goggles.

Hands:
Eyes:
General hygiene:

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour.	Yellow liquid. Sulphurous odour.
pH:	6 – 7.5
Vapour Pressure:	2266.5Pa @20°C
Boiling Point:	100°C
Flash Point:	
Freezing/melting point:	NA
Solubility:	Disperses
Specific Gravity/Density:	1.27 density
Autoignition:	
Information for flammable material:	
Viscosity:	
Octanol/water partition coefficient:	
Explosive Properties:	
Oxidation Properties:	

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Conditions to avoid:	
Materials to avoid:	
Hazardous Decomposition Products:	
Hazardous polymerization:	Chloride compounds and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:	LD ₅₀ > 5,000 mg/kg (Rat)
Acute toxicity - Dermal:	LD ₅₀ > 2,000 mg/kg (Rabbit)
Acute toxicity – Inhalation:	LD ₅₀ > 2,000 mg/kg (Rabbit)
Skin irritation:	
Eye irritation:	
Sensitization:	

Chronic toxicity

Carcinogenicity:

Mutagenicity:

Reproduction toxicity:

12. ECOLOGICAL INFORMATION

Aquatic

Very ecotoxic in aquatic environment.

Bees: LC₅₀ = 1.9mg/litre, 48hr (Rainbow trout),
1.63 mg/litre ,48hr (Bluegill sunfish).
Non-toxic to terrestrial invertebrates, contact LC₅₀
Honeybee > 100µg/bee.

Birds: Non-toxic to birds LD₅₀ > 6,400 mg/kg (Mallard duck)
(Japanese quail)

Bioaccumulation:

Degradability:

Mobility:

13. DISPOSAL CONSIDERATIONS

Methods of disposal:



Ideally, the product should be used for its intended purpose.
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.

Empty container precautions: Avoid contamination of any water supply with chemical or empty container

14. TRANSPORT INFORMATION - International transport regulations

UN number: UN3082

Hazchem 2X
Class or Division: 9
Subsidiary Class:
Packing Group: II
Marine Pollutant: Yes
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Liquid N.O.S. (Mancozeb)

**INTERNATIONAL AIR
TRANSPORT ASSOCIATION
(IATA):**

15. REGULATORY INFORMATION

ACVM Registered Number: P008220
HSNO Approval Code: HSR000462

16. OTHER INFORMATION

Additional information:

Original Issue Date:
Revision Date: 16 July 2021
Replaces: ES470

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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