



103 – 105 PIPE ROAD, LAVERTON NORTH, VIC. AUSTRALIA 3026
Postal Address: PO Box 103, LAVERTON, VIC. AUSTRALIA 3028
Telephone: 03 9282 1000 Fax: 03 9282 1001

PRODUCT: PENNCOZEB 420SC Fungicide	Infosafe No: NU0F9 ISSUED: Sep 01
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Hazardous according to criteria of Worksafe Australia

UN NO....:	D.G.CLASS:	CAS NO....:
HAZCHEM..:	SUB. RISK:	
SUSDP....: S5(FED) S5(NSW) S5(VIC) S5(SA) S5(WA) S5(Qld) S5(Tas) S5(NT)		
G.T.EPG...:	SPEC.EPG..:	PACK. GRP:

PRODUCT IDENTIFICATION

OTHER NAMES:

TRADENAMES.: Penncozeb 420SC Fungicide	MANUF.: MANCODE: 5355
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INGREDIENTS:

CHEMICAL ENTITY: Mancozeb Inerts (not hazardous)	CAS NO: 8018-01-7	PROPORTION: 420g/L to 100%
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PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:
Yellow-green coloured liquid.

BOILING POINT.....: ~100°C
MELTING POINT.....: <0°C
VAPOUR PRESSURE....: Negligible at 20°C
VOLATILE COMPONENT.: None
SPECIFIC GRAVITY...: 1.250
FLASH POINT.....: >100°C
FLAMMABILITY LIMITS: N/A
FORM.....: Liquid

OTHER PROPERTIES:
Not water soluble - disperses in water.

USE:

For the control of leaf spot and suppression of other diseases on bananas and control of various fungal diseases of potatoes, grape vines (wine grapes only), faba beans and oil seed poppy as shown in the Directions for Use Table.



MATERIAL SAFETY DATA SHEET

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HEALTH HAZARD INFORMATION

ACUTE EFFECTS

SWALLOWED:

Mancozeb itself has a very low acute toxicity. This product has not been tested but is expected to have low acute oral toxicity.

EYE:

Can cause discomfort and irritation in dry state.

SKIN:

Repeated or prolonged contact may cause irritation. Susceptible individuals may develop dermatitis upon prolonged or repeated exposure.

INHALED:

Prolonged inhalation of spray mist may cause irritation of nose and throat.

CHRONIC EFFECTS

Prolonged or frequent repeated exposure can occasionally cause skin irritation, conjunctivitis and bronchitis.

OTHER HEALTH HAZARD INFORMATION

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.

FIRST AID

SWALLOWED:

If swallowed contact a physician or Poisons Information Centre (13 11 26). Give plenty of water and induce vomiting. Avoid giving alcohol.

EYE:

Irrigate for 15 minutes with copious quantities of water with eyelids held open. Seek medical advice.

SKIN:

Remove contaminated clothing and launder before re-use. Wash affected areas thoroughly with soap and water.

INHALED:

Remove victim to fresh air. Seek medical advice.

FIRST AID FACILITIES:

ADVICE TO DOCTOR:

Treat symptomatically.
Avoid giving alcohol - may cause vomiting and shock.

TOXICITY DATA:

Technical Mancozeb
Toxicity to mammals:
Acute oral LD50 (rat) >5000mg/kg



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ENVIRONMENT: - (continued)

Triple rinse empty containers and add rinsate to spray tank. Puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of the concentrate is not acceptable. Mancozeb hydrolyses in moist soil. Half-life is < 1 day in neutral to alkaline soils, but about 20 days in slightly acidic soil.

:::::::::::::::::::::::::::: **SAFE HANDLING INFORMATION** ::::::::::::::::::::::::::::::

STORAGE AND TRANSPORT:

STORAGE:

Store in original container tightly closed, in a safe place.
do not store for porlonged periods in direct sunlight.

ROAD & AIR TRANSPORT:

Considered non hazardous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SEA TRANSPORT:

Environmentally hazardous substance, liquid, n.o.s.
UN 3082 Class: 9
Packaging Group: III

Packaging and Labelling:

WARNING

Keep out of reach of children
Read safety directions before opening
The product has been assessed according to the Worksafe criteria for classifying hazardous substances and is classified as hazardous:

Risk Phrases:

- R37 - Irritating to respiratory system.
- R43 - May cause sensitisation by skin contact.

Safety Phrases:

- S8 - Keep container dry.
- S24/25 - Avoid contact with skin and eyes.
- S46 - If swallowed, seek medical advice immediately and show this container or label.

SPILLS AND DISPOSAL:

Sweep into suitable bags or drums.
Do not allow to enter drains, waterways or sewers.
Mancozeb rapidly degrades in the environment by hydrolysis, oxidation, photolysis and metabolism. Half life in soil is 6-15 days.



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FIRE/EXPLOSION HAZARD:

The concentrate is not flammable. It may emit toxic fumes of sulphur and nitrogen oxides, carbon disulphide and ethylenediamine, if material is involved in fires or subjected to extreme heat. Breathable air apparatus must be worn if material is involved in fires especially in confined spaces. Keep upwind. Select extinguishing media for the material involved in the fire. Control fire water.

Reactivity Data:

Avoid contact with acids, water and heat.
Hazardous polymerization not possible.

OTHER INFORMATION

User Data:
WSA Haz? :Y

Contact Point:
Normal Hours: Mr. Volker Maier Phone: (03) 9282-1000
After Hours: Shift Supervisor Phone: 1 800 033 498