

**Synonyms**

Carbendazim 12% + Mancozeb 63% WP;

**Carbendazim:**

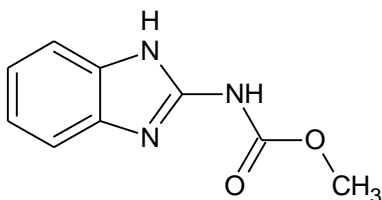
1*H*-Benzimidazol-2-ylcarbamic acid methyl ester;  
2-Benzimidazolecarbamic acid methyl ester;  
2-(Methoxycarbonylamino)benzimidazole;  
Methyl 2-benzimidazolecarbamate

**Mancozeb:**

[[1,2-Ethanediybis(carbamodithioato)](2-)]manganese mixture with [[1,2-ethanediybis(carbamodithioato)](2-)]zinc;  
Ethylenebis(dithiocarbamic acid) manganese zinc complex;  
Zinc manganese ethylenebisdithiocarbamate

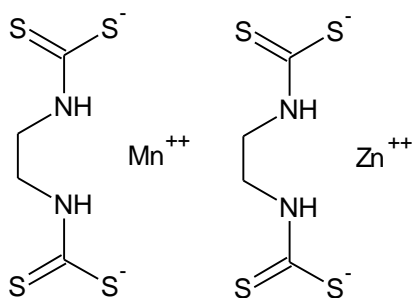
**Chemical structure and identity**

**Carbendazim**



Molecular formula	C <sub>9</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub>
Molecular weight	191.20
CAS number	10605-21-7
PRD number	AG409230

**Mancozeb**



Molecular formula	(C <sub>4</sub> H <sub>6</sub> MnN <sub>2</sub> S <sub>4</sub> ) <sub>x</sub> Zn <sub>y</sub>
Molecular weight	271.2
CAS number	8018-01-7
PRD Number	AG409240

<b>Specifications</b>	Appearance Carbendazim content Mancozeb content Wettability Wet sieve test (75µ sieve) Suspensibility	Bluish-green coloured powder 12% minimum 63% minimum 60 seconds maximum 99% minimum 75% minimum
<b>Physical properties</b>	Solubility	Forms suspension in water
<b>Description</b>	RIPER is a bluish-green coloured powder.	
<b>Applications</b>	RIPER is a broad spectrum systemic and contact fungicide with protective and curative action, used as foliar spray to control a wide range of fungal diseases in various crops. The product is also used for seed treatment.	
<b>Packaging</b>	RIPER is available in 100 g to 1 kg trilaminate pouches. Other packaging can be considered on request.	
<b>Storage and handling</b>	Keep containers tightly closed and store in a cool, dry and well-ventilated area. Do not store along with oxidising and acidic materials. Control dust formation. Avoid exposure to eyes, skin or clothing. Keep out of reach of children. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.	
<b>Safety</b>	Wear a self-contained breathing apparatus, if necessary. Wear protective gloves, a dust mask and safety goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Always refer to the SDS for detailed information on safety.	
<b>First aid</b>	<p><b>Eye contact:</b> Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.</p> <p><b>Skin contact:</b> Wash the affected area thoroughly with soap and water. Remove clothing contaminated by the product. Consult a physician immediately.</p> <p><b>Ingestion:</b> Avoid ingestion as the product is harmful. Induce vomiting by tickling back of the throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious. Consult a physician immediately.</p> <p><b>Inhalation:</b> Avoid inhalation as the product is harmful. Shift the affected person to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration. Consult a physician immediately on suspicion of intoxication.</p>	
<b>Spills and disposal</b>	In case of a spill, collect the spilled material mechanically and keep in a container for subsequent disposal. Avoid formation of dust. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents   container(s) in accordance with local, regional, national or international regulations   guidelines, as applicable.	

**Contact**

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**Note**

RIPER® is a registered trade mark for Carbendazim 12% + Mancozeb 63% WP which belongs to Atul Ltd.

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