

# HYDROCOP® WG

## MATERIAL SAFETY DATA SHEET



### 1. IDENTIFICATION OF THE SUPPLIER

Supplier Details:

Name: Melpat International Pty Ltd  
 Address: 4/22 Parry Ave, Bateman WA 6150  
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 Website: <http://www.melpat.com.au>

### 2. IDENTIFICATION OF THE PRODUCT:

Product Name: Hydrocop® WG  
 Other Names: Copper Hydroxide  
 Active Ingredient: Cupric Hydroxide with Copper as 500g/kg  
 Use: For the control of various diseases of fruit and vegetables as per the Directions for Use Table on the Product Label  
 Physical Appearance: Flowable, wettable granule formulation  
 Solubility: Insoluble in water  
 Product Code: None  
 UN Number: UN3077  
 Hazard Class: Non Dangerous Goods  
 Hazardous Category: Harmful Irritant  
 Hazchem Code: 9  
 Packing Group: III  
 EPG: None allocated  
 Sub Risk Class: None allocated  
 Poison Schedule: S6

### 3. FIRE FIGHTING MEASURES, HAZARDS & PROCEDURES:

Flash Point & Method: Not Applicable  
 Flammable Limits: No data  
 Auto-ignition Temperature: No data  
 General Hazard: Negligible fire hazard when exposed to heat or flame  
 Extinguishing Media: Use dry chemical, carbon dioxide, water spray, or foam  
 Fire Fighting Equipment: Wear protective clothing and self-contained breathing apparatus  
 Hazardous Combustion Products: Decomposes to CuO and H<sub>2</sub>O above 140°F

#### 4. HEALTH HAZARD INFORMATION

No specific data is available for the product, for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

No harmful effects are expected if the precautions on the label and MSDS are followed.

If poisoning occurs, contact a Doctor or the Poisons Information Centre.

##### **INGESTION:**

Slightly toxic by oral exposure. Symptoms of over exposure may include nausea and vomiting and abdominal pain.

Drink promptly a large quantity of milk, egg white, gelatine solution or if these are not available, large quantities of water. Unless extensive vomiting has occurred, empty the stomach by gastric lavage with water, milk, sodium bicarbonate solution.

Seek medical attention.

##### **SKIN CONTACT:**

This product may irritate the skin however, it is unlikely to cause more than minor discomfort or effects such as itchiness or slight skin reddening. Not a skin adsorption hazard.

If contact with the skin occurs, remove contaminated clothing & wash affected area with soap and water. If irritation persists, seek medical attention.

##### **EYE CONTACT:**

May cause mild irritation to eyes.

If exposure occurs, flush the eyes with fresh water for 15 minutes. If they begin watering or reddening, take special care in washing thoroughly.

##### **INHALATION:**

Slightly toxic if inhaled.

Remove victim to fresh air. Seek medical attention.

##### **ADVICE TO DOCTOR:**

Treat symptomatically. Acute oral over exposure to copper hydroxide, which has a major component of this product, may cause hypotension, haemolysis, and rarely methemoglobinemia. Severe intoxication is associated with serum copper levels greater than 500mcg/dl. Copper hydroxide is emetic, however dilation with fluids, adsorption with activated charcoal or lavage may be indicated. Chelation therapy with BAL or d-penicillamine has proved useful in cases of acute over exposure.

Refer emergency medical treatment.

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## 5. PRECAUTIONS FOR USE

A time weighted average (TWA) concentration for an 8-hour day, and 5-day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

### VENTILATION:

When mixing the spray, make sure the area is well ventilated.

### PROTECTIVE CLOTHING:

When opening the pack and preparing to spray, wear cotton overalls fastened to the neck and wrist and a washable hat. Elbow length PVC gloves, face shield and/or goggles are recommended. Do not enter the treated area until the spray droplets have dried on the crop.

Impermeable protective gloves should be worn when you are using the product, to prevent irritation.

### SAFETY BOOTS:

Wearing safety boots in industrial situations is advisory.

### OTHER INFORMATION:

- Incompatible with strong acids or bases.
- After use & before eating, drinking & smoking – wash arms and face thoroughly with soap & water.
- Wash contaminated clothing each day after use.

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## 6. SAFE HANDLING INFORMATION

### STORAGE:

Store above 0°C and below 35°C. Avoid overheating & keep out of direct sunlight. Store in a dry and well-ventilated area under lock & key.

Average Shelf life is 2 years.

Moisture or heat may cause decomposition.

### TRANSPORT:

Considered non-dangerous for transport by the Australian Code of Transport DGRR. Marine pollutant.

IMO proper shipping name: Environmentally Hazardous Substance, solid, M.O.S.  
(Contains copper hydroxide)

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## 7. ACCIDENTAL RELEASE MEASURES

### LAND SPILL:

Cover spill with absorbent material such as sweeping compound or lime. Sweep up and place in suitable (fiberboard) containers for later disposal.

### WATER SPILL:

If feasible, copper may be precipitated/ultra-filtrated with caustics or other chemicals and resulting sludge disposed of in a chemical landfill.

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For further details, please contact Melpat International Pty Ltd:

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