



# SUPERWAY GARDEN PRODUCTS PTY LTD

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## MATERIAL SAFETY DATA SHEET March 2006

### *SUPERWAY CARBENDAZIM 500 SYSTEMIC FUNGICIDE*

**Product Name:** Superway Carbendazim 500 Systemic Fungicide  
**Chemical Name:** Carbendazim  
**Chemical Class:** Benzimidazole derived fungicide  
**UN No.** Non allocated  
**Dangerous Goods Class:** None allocated  
**Sub Risk allocated** None allocated  
**Packaging Group** None allocated  
**Poison Schedule** S6.  
**Physical Appearance & Properties**

Appearance and Odour: Grey-white liquid suspension. Faint odour.

Melting / softening point: Approximately 0 degreesC.

Boiling point and vapour pressure: Approximately 100degreesC at 100kPa.

Volatile materials: Water component.

Flashpoint: Does not burn.

Specific gravity: No data.

Solubility in water: Completely soluble.

Corrosiveness: Not corrosive.

CHEMICAL ENTITY	CAS No	PROPORTION
Carbendazim 500	10605-21-7	% 50
Non-hazardous Emulsifiers	confidential	1-30
Water	to 100	

This is a commercial product, and the exact ration of components may vary. Trace quantities of impurities are also likely.

**HEALTH EFFECTS** 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 contaminants in the Occupational Environment" (May 1995), nor in NOH5C'S "List of Designated hazardous substances" (April 1999).

### **ACUTE EFFECTS**

Swallowed: Data suggests that this product should present no significant problems.

Eye: This product may be mildly irritation to eyes. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any lasting effects.

Skin: Data suggests that this product should present no significant problems.

Inhalation: Data suggests that this product should present no significant problems.

### **TOXICITY**

#### **Carbendazim;**

LD50 Oral, (Rat) > 15,000mg/kg,

LD50 Oral (Dog) >2,500mg/kg

LD50 Dermal (Rat) > 2,000mg/kg

LD50 Dermal (Rabbit) >10,000mg/kg

### **FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre. (Phone 131126) from anywhere in Australia

Eye: If product gets in eyes, wash material from them with running water. If they begin watering or reddening, take special care in washing thoroughly.

Skin: If product gets on skin, wash skin to remove material. No further measures should normally be required.

Inhalation: No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically; Note the nature of this product.

### **PRECAUTIONS FOR USE Exposure Standards:**

A time weighted average (TWA) concentration for an 8-hour day, and 5-day week has not been established by NOFISC 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 ADI (Acceptable Daily Intake) for Carbendazim is set at 3.03mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 2.5mg/kg/ day. Values taken from Australian ADI List, May 1998.

### **Engineering Controls:**

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

### **Personal Protection:**

Respiratory Protection; It usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/ NZS 1715.

Protective Gloves; Protective gloves are not normally necessary when using this product. However, it is always prudent to wear gloves. For help in selection suitable equipment, consult AS 2161.

Eye Protection; Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/ NZs 1337 for advise on Industrial Eye Protection.

Clothing; This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Consult AS23919 for advice on Industrial Clothing.

Safely Boots; Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## **SAFE HANDLING INFORMATION**

### **Storage and Transport**

No special storage and transport requirements. This product has no UN classification. This product is a S6 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Container should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under materials to avoid below.

## **Spills and Disposals**

In event of a major spill, prevent spillage from entering drains or watercourses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area-preventing runoff from entering drains. If a significant quantity of material enters drains, advice emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations.

## Fire/Explosion Hazard

There is no risk of an explosion from this material under normal circumstances if it is involved in a fire.

Flashpoint: Does not burn.

Flammability limits: Not applicable. This product does not burn.

Special Fire Fighting Procedures: When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

Unusual Fire and Explosion Hazards: Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen.

Water

Materials to avoid: strong oxidising agents.

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

**Please read all labels carefully before using product.**

**Contact Points:**

**Police and Fire Brigade: Dial 000**  
**National Poisons Information Centre Dial 13 1126 (from anywhere in Australia)**  
**Superway Garden Products P/L**  
**Head Office Telephone 07 54390355**  
**Fax 07 54390366**  
**Email [msd@superway.com.au](mailto:msd@superway.com.au)**