

MATERIAL SAFETY DATA SHEET

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This revision issued: March, 2004

Section 1 – Identification of Chemical Product and Company

Sipcam Pacific Australia Pty. Ltd.

A.C.N. 073 176 888

Suite 11

23 – 31 Gheringhap Street

Geelong, Victoria, 3220

Substance: Carbendazim, blend of ingredients is a benzimidazole derived fungicide
Trade Name: Boomer
Product Use: Agricultural fungicide. To be used as directed on the label
Creation Date: August 2000
Revision Date: March 2004

Section 2 – Hazards Identification

Statement of Hazardous Nature

Not classified as hazardous according to the criteria of NOHSC Australia.

Risk Phrases: None allocated

Safety Phrases: None allocated

SUSDP Classification: S6

ADG Classification: None allocated

UN No: None allocated

Emergency Overview

Physical Description and Colour: Grey-white liquid suspension.

Odour: Faint odour.

Major Health Hazards: 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), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999).

Potential Health Effects

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

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

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

Ingestion: Data suggests that this product should present no significant problems

Carcinogen Status

NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 3 – Composition / Information on Ingredients

Ingredients	CAS No	Conc, %	TWA, mg/m ³	STEL, mg/m ³
Carbendazim	10605-21-7	50	not set	not set
Other non hazardous ingredients	secret	10-30	not set	not set
Water	7732-18-5	to 100	not set	not set

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 – First Aid Measures

General Information:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia.

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.

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

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

Ingestion: Data suggests that this product should present no significant problems

Section 5 – Fire Fighting Measures

Fire & Explosion Hazard: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Extinguishing Media: This product does not burn. Use extinguishing media suited to the materials that are burning.

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.

Flashpoint: Does not burn.

Flammability limits: Not applicable. This product does not burn

Unusual Fire & 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

Section 6 – Accidental Release Measures

In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. 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, advise emergency services. Dispose of only in accord with all regulations.

Section 7 – Handling and Storage

No special storage 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. Containers 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".

Section 8 – Exposure Controls and Person Protection

Exposure Standards: A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The ADI (Acceptable Daily Intake) for Carbendazim is set at 0.03mg/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.

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, **Protective Gloves:** AS 2161, **Industrial Clothing:** AS2919, **Industrial Eye Protection:** AS1336 and AS/NZS 1337, **Occupational Protective Footwear:** AS/NZS2210.

Respiratory Protection: It is 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.

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Protective Gloves: Protective gloves are not normally necessary when using this product. However, it is always prudent to wear gloves.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear.

Clothing: This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice.

Safety Boots: Wearing safety boots in industrial situations is advisory.

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

Section 9 – Physical and Chemical Properties

Physical Description and Colour:	Grey-white liquid suspension
Odour:	Faint odour
Boiling point:	Approximately 100°C
Vapour pressure:	100kPa
Melting/softening point:	Approximately 0°C
Volatile materials:	Water component
Flashpoint:	Does not burn
Specific gravity:	No data
Solubility in water:	Completely soluble
Corrosiveness:	Not corrosive

Section 10 – Stability and Reactivity

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

Section 11 - Disposal Considerations

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

Section 12 - Transport Information

ADG Code: None allocated. There are no special transportation requirements.

Section 13 - Regulatory Information

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

Section 14 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission

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NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

CONTACT POINTS

Police and Fire Brigade:

Dial

AUSTRALIA

000

If ineffective:

Dial

1100 (Exchange)

For emergency response:

Dial

1800 033 111

National Poisons Information Centre:

Dial 13 1126 (from anywhere in Australia)

Please read all labels carefully before using product.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. The responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]
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