

Safety Data Sheet

Sporeguard®

Revised: 20/10/2016

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: SPOREGUARD®

Product Code: 8182089

Recommended Use: Systemic fungicide

Company Identification: Ravensdown Limited

Address: 292 Main South Road, Hornby
PO Box 1049
Christchurch

Customer Centre: 0800 100 123

National Poisons Information Centre: 0800 POISON (0800 764 766)

Emergency Telephone Number: 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)

Transport Emergency Phone: 111 - tell operator what service is needed: Fire, Ambulance, Police

Section 2: HAZARD IDENTIFICATION

Hazard Classifications: 6.6A, 6.8A, 6.9B, 9.1A, 9.2B

Priority Identifiers: WARNING
KEEP OUT OF REACH OF CHILDREN

Secondary Identifiers: 6.6A = Mutagenic
6.8A = May damage fertility
6.9B = Harmful to human target organs or systems
9.1A = Very toxic to aquatic organisms
9.2B = Toxic to soil environment

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Carbendazim	10605-21-7	50%
Inert ingredients		50%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed rinse mouth but DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
Skin:	Remove contaminated clothing then wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
Eye:	Flush with plenty of water holding eyelids open if necessary. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes.
Advice to Doctor:	No specific antidote. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	Not applicable (non-flammable)
Combustion Products:	Can give off carbon monoxide and nitrogen oxides in a fire
Extinguishing Media:	Fog, foam, dry chemical, carbon dioxide, water
Protective Equipment:	Wear full protective clothing and self-contained breathing apparatus
HAZCHEM Code:	3Z

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution: the	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin, eyes and inhalation of vapours. Use personal protective equipment as required.
	Approved Handler: Required
	Tracking: Not required
	Record Keeping: Not required
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409; Management of Agrichemicals. This product is subject to signage and secondary containment when stored in quantities of 100 litres or more, either alone or in aggregate with substances of the same hazard classification. Storage of more than 100 litres requires emergency response plans. For full details refer to NZS 8409; Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product.
Protective Equipment:	Respiratory protection not normally required. If airborne concentrations are likely to be excessive, wear an approved respirator. Cotton overalls buttoned to the neck and wrist and a washable hat. Wear elbow length PVC gloves and safety goggles or face shield.
Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours at a low level.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to grey viscous liquid (suspension concentrate)
Odour:	Practically odourless
Specific Gravity:	1.16
pH:	6.0 - 8.0
Vapour Pressure:	0.09 mpa (a.i)
Solubility:	Soluble in water, methanol, diethyl ether, acetone; very slightly soluble in n-octanol
Flash Point:	Not applicable (non-flammable)
Boiling Point:	The lowest known value is 100°C (Water). Weighted average: 111.5°C

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for at least 2 years from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation is not likely to occur
Hazardous Decomposition Products:	Oxides of carbon and nitrogen may be given off when exposed to extreme heat or fire
Conditions to Avoid:	Excessive heat
Materials to Avoid:	Alkaline materials

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.6A, 6.8A, 6.9B
Ingestion:	Acute Toxicity (Oral): LD50 (rat) >10,000 mg/kg Acute Toxicity (Dermal): LD50 (rabbit) > 5,000 mg/kg Acute Toxicity (Inhalation): LC50 (rat) > 5.4 mg/litre
Inhalation:	No known significant effects or critical hazards
Skin:	Slightly irritating
Eye:	Slightly irritating
Chronic Effects:	May cause organ damage from repeated oral exposure at high doses
Reproductive Toxicity:	May damage fertility or unborn children from repeated oral exposure
Mutagenicity:	May cause heritable mutations in human cells
Carcinogenicity:	Not considered to be carcinogenic

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	9.1A, 9.2B
Ecotoxicity:	Very toxic to aquatic organisms; LC50 = 0.83 mg/L, 96hr (Rainbow trout), 0.61 mg/L, 96hr (Carp) Toxic to soil environment (soil half-life is 8-32 days) Low toxicity to birds LD50 > 5,000mg/kg (Bobwhite quail) Non-toxic to bees/terrestrial invertebrates E.E.L: 0.00014 - water (carbendazim a.i.) T.E.L: Not Established
Bioaccumulation:	Unlikely to bio-accumulate

Section 13: DISPOSAL INFORMATION

Product Disposal:	Triple rinse container and add to spray tank. Recycle where possible. Do not contaminate bodies of water with chemical or empty container.
Container Disposal:	Triple rinse container. Triple rinsed containers containing the Agrecovery logo on the label, and that are free of all residues and have an intact legible label, may be taken to an Agrecovery collection site for disposal. Burn in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise crush and bury in an approved landfill or recycle through an alternative approved recycling scheme. Do not burn container or use container for any other purpose.

Section 14: TRANSPORT INFORMATION

Transport Information: It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport.

RAIL/ROAD; SEA (IMDG Code); AIR (ICAO/IATA)

UN Number:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim)
DG Class:	9
Subsidiary Class:	None
Packing Group:	III
Marine Pollutant:	Yes
MTQ (non-commercial):	1,000 litres
HAZCHEM Code:	3Z
IERG Number:	47

Other information: Check the latest versions of the Land Transport Dangerous Goods Rule 45001 and associated Transport of Dangerous Goods on Land (NZS 5433) for additional information on maximum allowable transport quantities (MTQ's), placarding and segregation. Sea transport may require further segregation.

Section 15: REGULATORY INFORMATION

ACVM: Registered pursuant to the ACVM Act 1997, P8308
See www.mpi.govt.nz for registration conditions.

EPA: Approved pursuant to the HSNO Act 1996, Approval number: HSR000453
See www.epa.govt.nz for approval controls.

Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown on page 1 and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.