


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Cracken 500 SC Fungicide
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Hazardous Substances	
Emergency Telephone	0800 CHEMCALL (0800 243 622) (24 hours)
National Poisons Centre	0800 POISON (0800 764 766) (24 hours)
Use	A broad spectrum fungicide for control of a range of diseases of grass seed and selected fruit, vegetable and cereal crops and for control of the causal organism (<i>Pithomyces chartarum</i>) of facial eczema.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
GHS Signal Word	DANGER
Hazard Classification	Reproductive toxicity Category 1, Germ cell mutagenicity Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms.
Hazard Statement	H360: May damage fertility or the unborn child. H340: May cause genetic defects. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life.
Prevention	H410: Very toxic to aquatic life with long lasting effects. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264: Wash thoroughly after handling P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P308 + P313: IF exposed or concerned: Get medical advice/attention. P391: Collect spillage.
Storage	P405: Store locked up.
Disposal	P501: Dispose of contents/container as specified on the registered label.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Carbendazim	10605-21-7	50% w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed, DO NOT induce vomiting. Seek immediate medical advice or contact Poisons Information Centre (Ph 0800 POISON – 0800 764 766)
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Remove any contact lenses and eyelids to be held open.
Skin	Remove contaminated clothing. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.
Inhalation	Remove to fresh air until recovered. If symptoms persist, seek immediate medical advice.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Not a fire or explosion hazard.
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HAZCHEM Code	2X
IER Guide No	47
Extinguishing Media	Extinguish fire with foam, dry powder, carbon dioxide or water spray.
Fire Fighting Instructions	Evacuate personnel to a safe area. Always wear positive-pressure self-contained breathing apparatus and full protective clothing. Do not allow contaminated water from fire-fighting to enter water supplies or drainage systems.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Contain spill and absorb with non-organic absorbent materials such as sand, zeolite clay or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Collect contaminated absorbents in sealed open top containers for disposal. Wash area with detergent and water and absorb washings with further inert material. Dispose of recovered material through a designated hazardous substances disposal facility or contact the local regional/district council for disposal information.
Environmental Precautions	Concentrate, solutions and washings must be prevented from entering surface water drains, storm water drains or waterways.

SECTION 7 – HANDLING AND STORAGE

Storage	Keep out of reach of children. Store under lock and key, in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances/dangerous goods (Classes 1, 4 & 5). Store in a cool, dry, well ventilated place and protect from sunlight.
Handling	Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Handler Competence	Persons responsible for the storage, handling, mixing, applying or disposing of this product must either be a Certified Handler, or be trained, experienced or supervised in accordance with the requirements of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 & 4.6 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
Additional Requirements	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2021 'Management of Agrichemicals', and relevant local and regional council plans.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls	Handle in well ventilated areas. Product is used outdoors. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use respiratory protection to a minimum of Organic Vapour cartridge type and/or local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of Agrichemical NZS8409.
Personal Protection	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of exposure, when mixing, applying or when likely to have any exposure to concentrate, mixes or mists/vapours suitable chemical resistant clothing must be worn including; coveralls, face shield, respiratory protection (organic vapour minimum specification) gauntlet gloves and boots/footwear.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Suspension liquid
Colour	Off-white colour
Odour	Mild odour

pH (1% solution)	6.0 - 8.0
Specific gravity	1.16
Flash Point (°C)	NA
Flammability Limits	Non combustible
Miscibility	Miscible in water
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY	
Stability	Stable under normal conditions.
Incompatibility	Incompatible with strong acids and bases, oxidizing agents.
Hazardous Reactions	No

SECTION 11 – TOXICOLOGICAL INFORMATION	
This section describes effects which could occur if this product is not handled in accordance with this data sheet.	
Acute Toxicity (Active Ingredient)	Acute Oral, LD ₅₀ (rat) > 15000 mg/kg Acute Oral, LD ₅₀ (dog) > 2500 mg/kg Acute Dermal, LD ₅₀ (rat) > 2000 mg/kg Acute Dermal, LD ₅₀ (rabbit) > 10000 mg/kg
Eye Irritating	Not applicable
Skin Irritation	Not applicable
Sensitisation Effects	Not a sensitizer
Carcinogenic Effects	None
Tetratogenic (Birth) Effects	None
Reproductive Effects	Suspected of damaging fertility or the unborn child.
Specific Organ Toxicity	Causes damage to organs through repeated or prolonged exposure.
Mutagenic Effects	May cause genetic defects.
Systemic Effects	None

SECTION 12 – ECOTOXICITY INFORMATION	
This section describes effects which could occur if this material is not handled in accordance with this data sheet.	
The following information is presented in respect of the active ingredients:	
Ecotoxic Effects	LD ₅₀ (Bird: quail): 5826-15595 mg/kg LC ₅₀ (Fish: Carp): 0.61 mg/L LC ₅₀ (Rainbow trout): 0.83 mg/L LC ₅₀ (Bluegill sunfish): 17 mg/L LC ₅₀ (Guppie) > 8 mg/L EC ₅₀ (Algae): 1.3 mg/L LD ₅₀ (Bee): 50 µg/bee EC ₅₀ (Daphnia): 0.13 mg/L LD ₅₀ (Worms: Eisenia foetida): 6 mg/kg
Persistent/ degradability	No data available
Bioaccumulative	No data available
Potential	
Soil Mobility	No data available
Environmental Exposure Limit	None established

SECTION 13 – DISPOSAL CONSIDERATIONS	
Product	Dispose of this product only by using according to the label, or at an approved hazardous substance waste receival facility or other approved waste transfer station/facility.
Container	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise submit to a suitable refuse transfer station or hazardous waste receival facility. DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS CARBENDAZIM)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR000453
ACVM Approval No	P010426

SECTION 16 – OTHER INFORMATION

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

Contact Points	
Police, Ambulance and Fire Service	111
National Poisons Information Centre	0800 POISON (0800 764 766)
Hazardous Substances Emergency	0800 Chemcall (0800 243 622)