

Safety Data Sheet

GHS Hazardous Chemical.
Not subject to the Australian Dangerous Goods Code by Road & Rail.
Dangerous Goods by Air (IATA Regs) and Sea (IMDG Code).

Carbaryl 500SC Insecticide

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION

Product Names: Carbaryl 500SC Insecticide

Other Names: 1-Naphthyl Methylcarbamate 500 g/L.

Product Code(s): 100mL, 250mL

USE: Contact and ingestion insecticide (an anticholinesterase compound) - for control of Codling Moth, Light Brown Applemoth, Cabbage White butterfly, Caterpillars and Vegetable bugs.

COMPANY DETAILS: Kendon Chemical & MNFG. Co. Pty Ltd
A.B.N. 27 004 281 967
8-10 Abbot Street
Fairfield, Victoria 3078
Phone: 03 9497 2822
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Emergency Telephone No: **Business Hrs** 03 9497 2822
After Hrs 0418-530-461 (General Manager)
0409-577-174 (Technical Manager)

2. HAZARD IDENTIFICATION

Emergency Overview: Off-white viscous liquid suspension with almost no odour. Harmful, Environmental Hazard. Harmful if swallowed. Limited evidence of carcinogenic effect. Very toxic to aquatic life.

GHS Hazardous Chemical Information:

Classified as a Hazardous Chemical to the Australian GHS Criteria and Environmentally Hazardous Criteria.

Signal Word: WARNING

Classification:

Acute Toxicity - Oral	- Category 4
Acute Toxicity - Inhalation	- Category 4
Carcinogenicity	- Category 2
Aquatic Env. - Acute Hazard	- Category 1



Hazard Statements: Harmful if swallowed.
Harmful if inhaled (from fine inspirable mists).
Suspected of causing cancer.
Very toxic to aquatic life. Toxic to bees.

Precautionary Statements

- Prevention Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, eye protection / face protection.
Avoid breathing mist / spray.
Use only outdoors or in a well-ventilated area.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Avoid release to the environment.

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- Response** IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER / doctor
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advices / attention.
Take off contaminated clothing and wash before reuse.
Collect spillage.
- Storage** Keep container tightly closed.
Store locked up.
- Disposal** Dispose of contents / container in accordance with the Local, State & Federal EPA waste regulations.

Not subject to the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).
See Special Provision SP AU01. (see Section 14.)

IF transported by air (IATA Regs) or sea (IMDG Code) it classifies and is transported as:

UN 3082 Class 9, Packing Group III, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(CARBARYL 50% w/v), MARINE POLLUTANT

See Section 14. Note about [Exemption Certificate](#) VCAP-06-EXEMP CA 2011-222 for product marked as Dangerous Goods to be not transported as Dangerous Goods.

Hazardous Substances Information: HARMFUL, ENVIRONMENTAL HAZARD

Hazardous Substance according to the Criteria of the Australian NOHSC.

Harmful by inhalation and if swallowed. Limited evidence of carcinogenic effect.

Very toxic to aquatic organisms. Toxic to bees.

Poison Schedule S6 **Signal Word** POISON

Acute Health Effects

Swallowed Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhea and abdominal pain. Other symptoms include involuntary shaking, excessive salivation, pinpoint pupils, blurred vision, profuse sweating, temporary paralysis, respiratory depression and convulsions.

Eye May cause redness, irritation and tearing.

Skin Harmful by skin contact (if absorbed) (see under swallowed). May cause skin irritation.

Inhaled Mists and sprays are harmful by inhalation. May cause respiratory irritation as a mist.

Chronic Health Effects

All Routes Regular exposure may result in lowering of the Cholinesterase activity in animals.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Carbaryl [1-Naphthalenol Methylcarbamate]	500 g/L	63-25-2
Propanediol [Propylene Glycol]	50 g/L	57-55-6
Surfactants / Stabilisers (non hazardous)	1-10%	Confidential
Water	50% approx	7732-18-5

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4. FIRST AID MEASURES

- Swallowed:** If swallowed rinse mouth with water. Give plenty of water to drink. If more than 15 minutes from a hospital consider inducing vomiting but only under medical direction. Seek immediate medical assistance.
- Eyes:** If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eyelids are held open. Immediately transport to hospital or doctor.
- Skin:** If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. If swelling, redness, blistering or irritation occurs seek medical advice.
- Inhaled:** Remove victim to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Avoid giving alcohol. Seek medical advice if effects persist. Effects may be delayed.
- First-Aid Facilities:** Eye wash and safety shower, plus normal washroom facilities nearby.
- Advice to Doctor:** Treat symptomatically. This product contains a Methyl Carbamate insecticide, which is a reversible Cholinesterase inhibitor. The effects of overexposure are spontaneously and rapidly reversible.
- If swallowed Activated Charcoal may be advised. Consider administering Atropine. Diazepam should be included in therapy of all but the mildest cases as it appears to counteract some aspects of the CNS derived symptoms that are not affected by Atropine.
- Oxime Cholinesterase reactivators are contraindicated as they may make the poisoning by Carbaryl worse.

5. FIRE-FIGHTING MEASURES

- Fire or Explosion Hazard:** Not a fire or explosion hazard. Will not burn due to the high water content (50% approx.)
- Extinguishing Media:** Water fog (or if unavailable fine water spray); Carbon Dioxide, Dry Chemical, Foam.
- Combustion Product Hazards:** Irritating, toxic, corrosive: Oxides of Nitrogen (NO_x).
May form Carbon Monoxide and smoke (if combustion is incomplete).
- Special Protective Precautions & Equipment:** Move containers from the fire area if it can be done without risk. If containers are exposed to fire keep them cool by spraying with water.
Decomposition products are toxic. Fire-fighters may need to wear self contained breathing apparatus under fire conditions, especially in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

- Accidental Release Measures:** Wear protective equipment in accordance with Section 8. Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.
Contain spill and cover with damp inert absorbent (such as vermiculite, clay, sand, soil). Sweep or vacuum up. Collect spilled material and waste in labelled, sealable containers for recycling or disposal. After final cleanup of the spill, wash the area with detergent and excess water, preventing run off from entering drains.
- Disposal:** See Section 13 for Disposal Considerations

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Issue Date: 4 April 2017

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7. HANDLING AND STORAGE

Handling: Apply in accordance with the Directions for Use label. Add the required amount of product to the spray container $\frac{3}{4}$ filled with water.
Toxic to honey bees. Do NOT spray any plants in flower while bees are foraging. Keep domestic pets and poultry away from treated areas. Do not spray in high winds. Do NOT allow dams, waterways or sewers to be contaminated with this product. Do NOT apply if rain is expected within 24 hours.

Storage: Store in the closed, original container in a cool, well ventilated area. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs. Do not store for in direct sunlight. Store away from sources of heat or ignition and strong oxidising agents. Keep containers closed at all times.

Classified as Environmentally Hazardous Substance Dangerous Goods according to the ADG Code 7th Ed.

Store in accordance with Work Health & Safety Regulations or Dangerous Goods (Storage & Handling) Regulations and

AS/NZS 4681: The Storage and Handling of Class 9 (miscellaneous) Dangerous Goods and Articles, AND

AS 2507: The Storage and Handling of Agricultural and Veterinary Chemicals & AS 2508.10.001: Safe Storage and Handling Information Card - Agricultural and veterinary chemicals (Packaged products only)

Note: Under Exemption Certificate VCAP-06-EXEMP CA 2011-222, Packages and IBCs that arrive by sea and air, marked as Dangerous Goods UN 3077 and UN 3082, **IF they are transported with a copy of the Exemption Certificate**, will NOT be required to be transported from the wharf or airport to our stores or from our stores to customers by road and rail as Dangerous Goods, nor will they be required to be stored and handled as Dangerous Goods.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: Exposure Standards determined by Safe Work Australia (formerly ASCC, NOHSC).
Carbaryl 5 mg/m³ TWA

Design and Engineering Control Measures: Handle in well ventilated areas, natural ventilation is generally adequate.

Personal Protective Equipment: Avoid skin, eye and respiratory contact.
EYES: Wear chemical goggles or faceshield.
GLOVES: PVC or Rubber.
RESPIRATORY: If exposure to mist or spray is expected, select and use respirators in accordance with AS/NZS 1715/1716.

When opening the container, preparing spray and using the prepared spray wear washable clothing buttoned to the neck and wrist and a washable hat, elbow-length PVC or rubber gloves and a face shield to protect the face from spray mist.

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Do NOT use in enclosed areas where the spray mist may come into skin, eye or respiratory contact with any person.

Always wash hands before smoking, eating, drinking or using the toilet.

Requirements Concerning Special Training

Regulations require that people who use pesticides in their job or business must have training in the application of the materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Liquid suspension.
Appearance and Odour	Off-white, viscous liquid suspension with almost no odour.
Chemical Formula (for the main ingredients)	Carbaryl: C ₁₂ -H ₁₁ -N-O ₂ Carbaryl: MW: 201.22
Melting Point / Boiling Point	MP of the Suspension: <10°C (as it contains >50% water) BP of the Suspension: 100°C approx. (as it contains >50% water) MP: 142°C (Carbaryl ingredient) BP: Not Available for Carbaryl (Decomposes)
Vapour Pressure	As for water. 4.1 x 10 ⁻² mPa at 23.5°C (for Carbaryl)
Specific Gravity	1.106 at 20°C
Relative Vapour Density	Not available
Solubility	The suspension may be further diluted in water. Carbaryl Solubility without dispersant: 40 mg/L at 30°C
Percent volatile by volume	55% approx. (Water and Ethanediol)
pH	Not available
Odour Threshold	Not available
Saturated Vapour Conc'n	Not available
Evaporation Rate	Not available (Butyl Acetate = 1)
Octanol/Water Partition Co-efficient	log P(o/w) 1.59-2.3 (for Carbaryl from IPCS Inchem EHC 153)
Corrosiveness	Not corrosive.
Flammable Properties	Not readily combustible due the high water content (50% approx.).
Flashpoint	Not available
Flammability Limits (FL) (%)	Not available
Auto-ignition Temp	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions. It is stable to light and heat (to 70°C) and acids, but easily hydrolysed by alkali.

Conditions To Avoid: Ignition sources. Temperatures above Carbaryl melting point.

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Incompatible Materials:	Alkalis; Strong Acids; Strong oxidizers; Strong reducing agents.
Unsuitable Container Materials:	None known.
Hazardous Decomposition Products:	Toxic, corrosive fumes of Oxides of Nitrogen (NOx); when heated to full decomposition. Carbon Monoxide and smoke (if combustion is incomplete).
Hazardous Reactions:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Carbaryl (as 50%) in these products is classified as harmful by skin contact and if swallowed. Released mist is harmful by inhalation. Suspected of causing cancer.

This is based on a Calculated Acute Oral Toxicity LD50 (rat) of 246 mg/kg x 100/50 = **492 mg/kg**
And a Calculated Acute Inhal'n Toxicity LC50 (rat) of 2.50 mg/L/4hrs x 100/50 = **5.0 mg/L/4hrs**

Carbaryl (as 100%)

Acute Oral Toxicity:	LD50 (rat)	246 mg/kg for Carbaryl	From APVMA Review 2006
	LD50 (rat)	246-963 mg/kg for Carbaryl	From 19 results in EHC153
	LD50 (rat)	400-800 mg/kg for Carbaryl	Averaged LD50 minimums & maximums from EHC 153
	LD50 (rabbit)	710 mg/kg for Carbaryl	
	LD50 (cat)	150 mg/kg for Carbaryl	From APVMA Review 2006
Acute Inhal'n Toxicity	LC50 (rat)	2.50 mg/L/4hrs for Carbaryl	

Skin Irritation Minimal skin irritation (rabbit).
Eye Irritation Minimal eye irritation (rabbit).

Chronic Effects Regular exposure may result in lowering of the cholinesterase activity in animals.

Mutagenic Effects The available evidence indicates that Carbaryl does not present a mutagenic risk.

Carcinogenic Effects Some animal test data suggests a carcinogenic potential for this material, see in the brackets below. These particular data sets are not considered relevant to normal industrial use but emphasise the need for care in handling.
(Rare vascular tumours were observed in studies on mice. The evaluation indicates that the increase in these tumours was likely to be species specific.)
The Australian HSIS based on the EU Dangerous Substances Criteria classify Carbaryl with Risk Phrase R40 - Limited evidence of carcinogenic effect.

Reproductive Effects Reproductive and perinatal developmental adverse effects have been observed in a number of species, following oral doses at maternally toxic doses. Effects on reproduction include impairment of fertility, decreased litter size, and reduced postnatal viability. Developmental toxicity is seen as increased *in utero* death, reduced fetal weight, and the occurrence of malformation. No such effects occurred where doses were not maternally toxic.

Nervous System Effects The effects of Carbaryl on the nervous system are primarily related to cholinesterase inhibition and are usually transitory. The effects on the central nervous system were studied in rats and monkeys. Oral doses of 10-20 mg Carbaryl/kg for 50 days were reported to disrupt learning and performance in rats.

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Human Exposure

In controlled studies on human volunteers, single doses of less than 2 mg/kg were well tolerated. A single dose of 250 mg (2.8 mg/kg) produced moderate ChE inhibition symptoms (epigastric pain and sweating) within 20 min. Complete recovery occurred within 2 h of treatment with atropine sulfate.

In cases of occupational overexposure to Carbaryl, mild symptoms are observed long before a dangerous dose is absorbed, which is why severe cases of occupational intoxication with Carbaryl are rare.

WHO IPCS Inchem Environmental Health Criteria 153 Conclusions for Carbaryl

The hazards of Carbaryl for human beings are judged to be low, because of its low vapour pressure, rapid degradation, rapid spontaneous recovery of inhibited cholinesterase, and the fact that symptoms usually appear well before a dangerous dose has accumulated in the body. Good carcinogenicity studies, which meet modern standards, are not yet available.

Ethenediol (as 100%)

Acute Oral Toxicity LD50 (rat): 5890 mg/kg (CCINFO – Cheminfo)
Acute Oral Toxicity LD50 (mouse): 7500 mg/kg (CCINFO – Cheminfo)
Estimated Lethal Oral Dose (adults) 1100 mg/kg approx.

12. ECOLOGICAL INFORMATION

General: Very toxic to aquatic life. Toxic to honey bees. Water polluting substance. Severe Marine Pollutant. Avoid contaminating waterways.

Ecotoxicity Data: Data for the active ingredient, Carbaryl (as 100%):

Acute Toxicity - Fish

LC50 (Rainbow Trout, 96hrs) : 1.3 mg/L
LC50 (Bluegill Sunfish, 96hrs) : 10 mg/L
LC50 (Sheepshead Minnow, 96hrs) : 2.2 mg/L
LC50 (Lake Trout, 96hrs) : 0.69 mg/L [NZ HSNO CCID]

Acute Toxicity -Daphnia EC50 (48hr) : 0.006 mg/L

Acute Toxicity – Birds

Acute Oral Toxicity LD50 (Mallard Ducks) >2179 mg/kg
Acute Oral Toxicity LD50 (Pheasants) >2000 mg/kg
Acute Oral Toxicity LD50 (Japanese Quail) 2230 mg/kg
Acute Oral Toxicity LD50 (Pigeons) 1000-3000 mg/kg

Very Toxic to Bees LD50 0.2 µg/bee (about 1-2 mg/kg)

Very toxic to earthworms (IPCS Inchem Env.Heath Criteria 153)

Octanol Water Partition Co-efficient log Pow 1.59-2.3
(for Carbaryl from IPCS Inchem EHC 153)

Persistence & Degradability

Substantially biodegradable in soil. Half life of 8 days to 1 month at the usual application rates. No appreciable bioaccumulation is expected. The major hydrolysis degradation products are 1-Naphthol, Carbon Dioxide and Methylamine.

Mobility:

Dispersible in water so will be readily mobile. Carbaryl is adsorbed more readily on soils with a high organic content than on sandy soils.

Other Ingredients

Ethane-1,2-diol (as 100%): Low toxicity to aquatic organisms. Biodegradable.

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13. DISPOSAL CONSIDERATIONS

Disposal: Disposal to be in accordance with Local, State & Federal EPA waste regulations.

Do NOT dispose of the undiluted product on-site.

Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemCollect). Product should NOT be burnt.

Empty Containers:

Do not use this container for any other purpose.

Triple rinse containers or preferably pressure rinse containers, add rinsings to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations.

drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMuster symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

If not recycling, break, crush or puncture and bury containers in a local authority approved landfill. Empty containers and product should NOT be burnt.

14. TRANSPORT INFORMATION

ROAD & RAIL:

1/ **Not subject to the Australian Code** for the Transport of Dangerous Goods by Road & Rail (ADG Code). See Note & Special Provision SP AU01 below.

2/ **Not Dangerous Goods:** by the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) as the Preparation Acute Oral Toxicity LD50 (rat) is >300 mg/kg with Carbaryl at 50%. This is supported by the Hazardous Chemicals classification with H302 – Harmful if swallowed.

Note: The 7th Edition of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) classifies this product as an Environmentally Hazardous Substance Dangerous Goods.

Special Provision SP AU01 (Vol1 p298) allows packaging <500kg or <500L and all IBCs to be not subject to this Code when transported by road and rail.

SEA: Dangerous Goods according to the International Maritime Dangerous Goods Code (IMDG Code).

AIR: Dangerous Goods according to the International Air Transport Association (IATA) Dangerous Goods Regulations.

UN Number (Sea & Air): 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(CARBARYL 50% w/v)

Dangerous Goods Class: 9

Subsidiary risk: -

Packing Group: III

Hazchem Code: Not Applicable to 100 mL and 250 mL containers.

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76): 47

Marine Pollutant to IMDG Code: Yes

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Note: Under Exemption Certificate VCAP-06-EXEMP CA 2011-222, Packages and IBCs that arrive by sea and air, marked as Dangerous Goods UN 3077 and UN 3082, **IF they are transported with a copy of the Exemption Certificate**, will NOT be required to be transported from the wharf or airport to our stores or from our stores to customers by road and rail as Dangerous Goods, nor will they be required to be stored and handled as Dangerous Goods.

15. REGULATORY INFORMATION

GHS Hazardous Chemical Information:

Classified as a Hazardous Chemical to the Australian GHS Criteria and Environmentally Hazardous Criteria.

Signal Word: **WARNING**

Classification: Acute Toxicity - Oral - Category 4
Acute Toxicity - Inhalation - Category 4
Carcinogenicity - Category 2
Aquatic Env. - Acute Hazard - Category 1



Hazard Statements: H302 - Harmful if swallowed.
H332 - Harmful if inhaled (from fine inspirable mists).
H351 - Suspected of causing cancer.
H400 - Very toxic to aquatic life.
Toxic to bees.

Precautionary Statements

- **Prevention**
 - P201 - Obtain special instructions before use.
 - P202 - Do not handle until all safety precautions have been read and understood.
 - P280 - Wear protective gloves, eye protection / face protection.
 - P261 - Avoid breathing dust / mist / spray.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P270 - Do not eat, drink or smoke when using this product.
 - P264 - Wash hands thoroughly after handling.
 - P273 - Avoid release to the environment.
- **Response**
 - P301+330+310 - IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER / doctor
 - P302+352 - IF ON SKIN: Wash with plenty of soap and water.
 - P333+313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P305+351+338+310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
 - P308+313 - IF exposed or concerned: Get medical advice / attention.
 - P362+364 - Take off contaminated clothing and wash before reuse.
 - P391 - Collect spillage.
- **Storage**
 - P233 - Keep container tightly closed.
 - P405 - Store locked up.
- **Disposal**
 - P501 - Dispose of contents / container in accordance with the Local, State & Federal EPA waste regulations.

Workplace Hazardous Substance

HARMFUL, ENVIRONMENTAL HAZARD

R20 - (Fine inspirable mist is) harmful by inhalation.
R22 - Harmful if swallowed.

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R40 - Limited evidence of carcinogenic effect.

R50 - Very toxic to aquatic organisms.

R57 - Toxic to bees.

S7/51 Keep container tightly closed in a well ventilated place.

S24/25/23 Avoid contact with skin and eyes. Do not breathe mist.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S60/61 This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to Material Safety Data Sheet and Label.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin wash immediately with plenty of soap and water.

S46 If swallowed, seek medical advice immediately and show this container or label.

Dangerous Goods: Not subject to the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code). See Special Provision SP AU01. **IF transported by air** (IATA Regs) **or sea** (IMDG Code) it classifies and is transported as Dangerous Goods. (see Section 14)

SUSMP Schedule Poison: S6 (Carbaryl is specifically listed) **POISON**

KEEP OUT OF REACH OF CHILDREN. READ SAFETY DIRECTIONS BEFORE OPENING OR USING

AICS & APVMA: All ingredients are on the Australian Inventory of Chemical Substances or are approved to be used in accordance with the Australian Pesticides and Veterinary Medicines Authority.

16. OTHER INFORMATION

Key Reference: WHO IPCS Inchem Environmental Health Criteria 153 for Carbaryl which is available from <http://www.inchem.org/documents/ehc/ehc/ehc153.htm#SubSectionNumber:8.1.1>

APVMA Carbaryl Chemical Review: <http://apvma.gov.au/node/12416>

SDS Dates and Revisions

SDS Original Preparation Dates : May 2000, Aug 2006, Feb 2009, Mar 2009, May 13, 27 Nov 13

SDS Latest Revision Date : 4th April 2017

Sections Changed in Latest Revision : GHS Format. Sections 2, 4, 8, 9, 11, 13, 14, 15, 16

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SDS APPROVED: Kendon Chemical & MNFG

Acronyms Used

ADG Code Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail

Safe Work ASCC became Safe Work Australia in April 2009.

Australia Safe Work Australia administers ASCC & NOHSC documents.

HCIS Hazardous Chemicals Information System at: <http://hcis.safeworkaustralia.gov.au/>

NZ EPA HSNO Environmental Risk Management Authority New Zealand, HSNO Chemical Classification Information Database.

<http://www.epa.govt.nz/search-databases/Pages/HSNO-CCID.aspx>

e-ChemPortal Global Portal to Information on Chemical Substances

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

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ECHA	European Chemicals Agency at http://echa.europa.eu/
ECHA RSD	ECHA Registered Substances Database (with SIEF results of chemical reviews) http://echa.europa.eu/information-on-chemicals/registered-substances
ECHA C&LID	ECHA Classification & Labelling Inventory Database http://echa.europa.eu/information-on-chemicals/cl-inventory-database
WHS	Workplace Hazardous Substance
CAS No.	Chemical Abstracts Service Registry Number
UN No.	United Nations Dangerous Goods Number
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons

SDS Code Used This SDS has been prepared according to the SWA Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals Dec 2011.

This SDS summarises to the best of our knowledge the health and safety hazard information on the product and how to safely handle and use the product in the workplace, and should not be construed as guaranteeing specific technical properties. Each user should read this SDS 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. Since methods and conditions are beyond our control, in inappropriate contexts we do not accept liability for any damages resulting from the use of, or reliance on, this information.

Reviewers Initials / Yr / Mth: JS1704