

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Piri-Ken 500 WG Aphicide
Product Type: Group 1A Insecticide
Company Name: Kenso Corporation (M) Sdn Bhd
Address: Unit 3C/ 59, Oxford Street, Bulimba Queensland 4171
Telephone Number: (07) 3217 9788
Facsimile Number: (07) 3217 9733
Emergency Telephone Number: 000 (Police or Fire Brigade)
13 11 26 (Poisons Information Centre)
Use: For control of certain Aphids on crops and pastures.

SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature

Hazardous according to criteria of Safe Work Australia. Classified as a Dangerous Good according to the ADG code.



GHS Signal Word:
Hazard Statement:

DANGER

H301: Toxic if swallowed.

H312: Harmful in contact with skin

H332: Harmful if inhaled.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash contacted areas thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves, protective clothing and eye or face protection.

Response:

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P314: Get medical advice or attention if you feel unwell.

P301+ P310: IF SWALLOWED: immediately call a POISON CENTER or doctor.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P330: Rinse mouth.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

Storage:

P405: Store locked up.

Disposal: P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents and containers as specified on the registered label.

SUSMP Classification: S6

ADG Classification: Class 6.1: Toxic substances.

UN Number: 2757, CARBAMATE PESTICIDE, SOLID, TOXIC

Emergency Overview

Physical Description & colour: milky white granule
Odour: odourless

Potential Health Effects

Inhalation:

Short Term Exposure: Symptoms are described fully above.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Symptoms are described fully above.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Symptoms are described fully above.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

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

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

IARC: Talc is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Pirimicarb	23103-98-2	50%w/w
Inert ingredients	secret	to 100%w/w

SECTION 4 – FIRST AID MEASURES

Swallowed:	If swallowed, DO NOT induce vomiting. Seek medical advice or contact Poisons Information Centre (Ph 13 11 26). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Eye:	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical attention.
Skin:	Remove contaminated clothing and launder before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.
Inhaled:	Remove to fresh air until recovered. If symptoms persist, seek medical advice.

Advice to Doctor:

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products

Thermal Decomposition

There is little risk of an explosion from this product if commercial quantities are involved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is liquid-tight chemical protective clothing and breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection.

Product spill: Sweep granules and shovel or collect recoverable product into labeled containers for recycling or salvage, and dispose of promptly.

Prepared spray spill: 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 labeled containers for recycling or salvage, and dispose of promptly.

Wash the spill area with detergent and water.

Launder protective clothing before storage or re-use.

SECTION 7 – HANDLING AND STORAGE

Handling

When handling this product, do not eat, drink or smoke.

When mixing this product always wear a PVC or rubber apron, elbow length PVC gloves, face shield or goggles and overalls buttoned at the wrist and neck.

When spraying this product, wear a face shield or goggles

After each days use, wash gloves, face shield or goggles and overalls.

If product gets on skin, immediately wash area with soap and water.

Storage

Store in the closed, original container in a well-ventilated area as cool as possible out of direct sunlight. Keep from contact with fertilisers and seeds.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits TWA (mg/m3) STEL (mg/m3)

SWA Exposure Limits

TWA (mg/m3)

STEL (mg/m3)

Calcium carbonate

10

not set

The ADI for Pirimicarb is set at 0.002mg/kg/day. The corresponding NOEL is set at 0.4mg/kg/day. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Dec 2008.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Engineering Controls

Handle in well ventilated areas. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.

Personal Protective Equipment

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granule
Colour:	Milky white
Odour:	Odourless
Vapour Pressure:	4×10^{-1}
Boiling Point:	Not available
Flammability Limit:	Non flammable
Solubility	Dispersible

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Hazardous Reaction

Keep away from strong oxidising agents.

Hazardous Polymerization

Hazardous polymerisation is not possible.

Materials to Avoid

Combustible materials.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data (On Pirimicarb technical)

Acute Toxicity – Oral

LD50(rat) = 100 - 200 mg/kg

Acute Toxicity – Dermal

LD50 (rabbit) = >2000mg/kg

Acute Toxicity – Inhalation

LC50 (rat) = 0.86 mg/L (4 hours)

Reproductive Effects

No reproductive toxicity.

Teratogenic Effects

No teratogenic effects.

Mutagenic Effects

No evidence of mutagenicity.

Carcinogenic Effects

No carcinogenic effects.

Classification of Hazardous Ingredients

Ingredient Risk Phrases

Pirimicarb Conc \geq 25%: T; R25

Pirimicarb: LD₅₀ Oral, Rat 100-200mg/kg LC50 Inhalation, Rat = 0.86mg/L/4hr

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Birds:

Pirimicarb is highly toxic to birds.

Oral LD50 (Bob-white quail) = 20.9 mg/kg

Oral LD50 (Mallard duck) = 28.5 mg/kg

Aquatic Organisms:

LC50 96hr (Rainbow trout) = 79 mg/L

LC50 48hr (Bluegill sunfish) = 55 mg/L

Other Animals:

Pirimicarb is not toxic to bees.

Mobility

Pirimicarb shows low mobility and low potential for bioaccumulation in the soil.

SECTION 13 – 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 14 – TRANSPORT INFORMATION

U.N. Number 2757

Proper Shipping Name	CARBAMATE PESTICIDE, SOLID, TOXIC - (Contains pirimicarb)
DG Class	6.1
Hazchem Code	2X
Packing Group	III

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification	S6
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SECTION 16 – OTHER INFORMATION

This SDS 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
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
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number
GHS	Globally Harmonised System

CONTACT POINT:

Police and Fire Brigade:	Dial	000
National Poisons Information Centre:	Dial	13 11 26 (from anywhere in Australia)
For 24 hour emergency response:	Dial	0439 933 556
	Ask for Murray Goodlich	