


## SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

<b>Product Name</b>	<b>Kensban 500 Insecticide</b>
<b>Company Name</b>	Kenso Corporation (M) Sdn Bhd
<b>Address</b>	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
<b>Telephone</b>	0800 536 766
<b>Hazardous Substances</b>	
<b>Emergency Telephone</b>	<b>0800 CHEMCALL (0800 243 622) (24 hours)</b>
<b>National Poisons Centre Use</b>	<b>0800 POISON (0800 764 766) (24 hours)</b> For use as broad spectrum insecticide to control of insect pests in agricultural and horticultural crops.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>	
<b>GHS Signal Word</b>	<b>DANGER</b>
<b>Hazard Classification</b>	Flammable liquid Category 4, Acute oral toxicity Category 3, Acute dermal toxicity Category 3, Acute inhalation toxicity Category 4, Aspiration hazard Category 1, Eye irritation Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1
<b>Hazard Statement</b>	<p>H227: Combustible liquid.</p> <p>H301: Toxic if swallowed.</p> <p>H311: Toxic in contact with skin.</p> <p>H332: Harmful if inhaled.</p> <p>H319: Causes serious eye irritation.</p> <p>H304: May be fatal if swallowed and enters airways.</p> <p>H361: Suspected of damaging fertility or the unborn child.</p> <p>H372: Causes damage to organs through prolonged or repeated exposure.</p> <p>H400: Very toxic to aquatic life.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p>
<b>Prevention</b>	<p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.</p> <p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264: Wash contacted area thoroughly after handling.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P271: Use only outdoors or in a well-ventilated area.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p>
<b>Response</b>	<p>P281: Use personal protective equipment as required.</p> <p>P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</p> <p>P302 + P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308 + P313: IF exposed or concerned: Get medical advice/attention.</p> <p>P312: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P321: Specific treatment (see FIRST AID on this label).</p> <p>P330: Rinse mouth.</p> <p>P331: Do NOT induce vomiting.</p>

<b>Storage</b>	P337 + P313: If eye irritation persists: Get medical advice/attention. P361 + P364: Take off immediately all contaminated clothing and wash it before reuse. P370 + P378: In case of fire: Use carbon dioxide, dry chemical, foam and water fog for extinction. P391: Collect spillage.
<b>Disposal</b>	P403: Store in a well-ventilated place. P405: Store locked up. P501: Dispose of contents/container as specified on the registered label.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Chlorpyrifos	2921-88-2	50% w/v
Inert ingredients	secret	To 100% w/v

## SECTION 4 – FIRST AID MEASURES

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

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	This product is classified as a C1 combustible product. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.
<b>HAZCHEM Code</b>	2X
<b>IER Guide No</b>	35
<b>Extinguishing Media</b>	Extinguish fire with foam, dry powder, carbon dioxide or water spray.
<b>Fire Fighting Instructions</b>	Evacuate personnel to a safe area. Always wear positive-pressure self-contained breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies or drainage systems.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Wear appropriate personal protective equipment (PPE), refer to section 8 of this SDS. Keep non-essential people and animals away.
<b>Spillage</b>	Contain spill and absorb with sand or proprietary absorbent materials (e.g. vermiculite, zeolite, clay and etc.). Prevent spillage or contaminants from entering drains, waterways or sewers. The product is highly toxic to fish and hence should be kept from entering water bodies, drains and storm water systems. Collect contaminated materials and recovered product in sealed open top containers for disposal. On-site disposal of concentrate is not acceptable.

## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	Keep out of reach of children. Store in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances. Store in a cool, dry, well ventilated place and protect from sunlight.
<b>Handling</b>	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.

<b>Handler Competence</b>	Persons responsible for the storage, handling, mixing, applying or disposing of this product must be a Certified Handler, or trained, experienced or supervised in accordance with the requirements of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
<b>Tracking</b>	No required.
<b>Record Keeping</b>	Not required.
<b>Additional Requirements</b>	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

<b>Engineering Controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of agrichemical NZS8409.
<b>Personal Protection</b>	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of potential or expected exposure always wear full respiratory protection (at least to organic vapour standard) eye and face protection, chemical resistant; coveralls, gloves and boots.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Clear liquid
<b>Colour</b>	Brown colour
<b>Odour</b>	Nonspecific odour
<b>Specific gravity</b>	1.08
<b>Flash point (°C)</b>	NA
<b>Flammability Limits</b>	Combustible
<b>Miscibility</b>	Emulsify in water
<b>Oxidising properties</b>	Not oxidising
<b>Explosive properties</b>	Not explosive

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions To Avoid</b>	Avoid sources of ignition and extremes of temperature.
<b>Hazardous Materials</b>	Hydrogen bromide, hydrogen cyanide, hydrogen fluoride, and oxides of carbon and nitrogen may be released in a fire.
<b>Incompatibility</b>	Incompatible with strong acids and bases, oxidizing agents.
<b>Hazardous Reactions</b>	No.

## SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

<b>Acute Toxicity (for active ingredient, chlorpyrifos)</b>	Acute Oral, LD <sub>50</sub> (rat) 95-270 mg/kg Acute Dermal, LD <sub>50</sub> (rat) >2000 mg/kg Inhalation, LC <sub>50</sub> (rat) (4hr) >0.2 mg/l
<b>Skin Irritation</b>	Slight irritating.
<b>Eye Irritation</b>	Irritant
<b>Sensitisation</b>	Non sensitizing (guinea pig).
<b>Other information</b>	Chronic toxicity Repeated or prolonged exposure to organophosphates may result in the same effects as acute exposure including the delayed symptoms, other effects reported in workers repeatedly exposed include impaired memory and disorientation, irritability, headache, concentration, severe depression, speech difficulties, delayed reaction times, nightmares, sleepwalking, and drowsiness or insomnia. An influenza-like condition with headache, weakness, loss of appetite, and malaise has also been reported.

## 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 ingredient:

<b>Acute Toxicity – Fish (for active ingredient, chlorpyrifos)</b>	Chlorpyrifos is very highly toxic to freshwater fish, aquatic invertebrates and estuarine and marine organisms. LC <sub>50</sub> (96 hr) for chlorpyrifos in mature rainbow trout is 0.009 mg/l LC <sub>50</sub> (96 hr.) for chlorpyrifos in lake trout is 0.098 mg/l LC <sub>50</sub> (96 hr.) for chlorpyrifos in goldfish is 0.01 mg/l LC <sub>50</sub> (96 hr.) for chlorpyrifos in fathead minnow is 0.331 mg/l
<b>Acute Toxicity – Bird (for active ingredient, chlorpyrifos)</b>	Chlorpyrifos is moderately to very highly toxic to birds. LD <sub>50</sub> for pheasants is 8.41 mg/kg LD <sub>50</sub> for mallard ducks is 112 mg/kg LD <sub>50</sub> for chickens is 32 mg/kg

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Product</b>	Dispose of this product only by using according to the label, or at an approved landfill/transfer station or other approved hazardous substances management facility.
<b>Container</b>	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, <a href="http://www.agrecovery.co.nz">www.agrecovery.co.nz</a> ). 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

<b>Dangerous Goods</b>	
<b>UN Number</b>	3018
<b>Proper Shipping Name</b>	ORGANOPHOSPHORUS PESTICIDE, LIQUID, N.O.S. (CONTAINS CHLORPYRIFOS)
<b>Class</b>	6.1
<b>Subsidiary Class</b>	None
<b>Packaging Group</b>	III
<b>Additional Information</b>	MARINE POLLUTANT
<b>MTQ (Non-Commercial)</b>	250 L

## SECTION 15 – REGULATORY INFORMATION

<b>HSNO Approval No</b>	HSR000224
<b>ACVM Approval No</b>	P009013

## SECTION 16 – OTHER INFORMATION

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

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