


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

Product Name	<b>Hemidex 500 WG Insecticide</b>
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Hazardous Substance	
Emergency Telephone	<b>0800 CHEMCALL (0800 243 622) (24 hours)</b>
National Poisons Centre	<b>0800 POISON (0800 764 766) (24 hours)</b>
Use	For the control of Aphid and Psyllids (TPP) in potatoes.

## SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
GHS Signal Word	<b>WARNING</b>
Hazard Classification	Eye irritation Category 2, Hazardous to terrestrial vertebrates.
Hazard Statement	H319: Causes serious eye irritation.
Prevention	P264: Wash thoroughly after handling.
Response	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P317: If eye irritation persists: Get medical advice/attention.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Flonicamid	158062-67-0	50% w/w
Inert ingredients	secret	To 100% w/w

## SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed, do not induce vomiting, seek medical advice immediately.
Eye	Flush eyes immediately with plenty of fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. However, if irritation persists, seek immediate medical advice.
Skin	Remove contaminated clothing, wash skin with plenty of soap and water. Seek immediate medical advice if any signs or symptoms described in this document occur. Wash and decontaminate contaminated PPE/clothing before re-wearing.
Inhalation	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.
Advice to Doctor	Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	NA
HAZCHEM Code	NA
IER Guide No	NA
Extinguishing Media	Dry Chemical, water spray, carbon dioxide
Fire Fighting Instructions	During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Wear suitable chemical resistant clothing including coverall, face shield, respiratory protection (organic vapour minimum) gauntlet gloves and boots. Prevent the product or spilled material from entering drains or water bodies. Contain and sweep spills or if spillage is a liquid absorb spills with inert material such as zeolite clay or sand and place in waste containers. Wash area with water detergent and absorb with further inert material. Dispose of through a designated hazardous substances disposal facility or contact the local regional/district council for disposal information.

<b>Environmental Precautions</b>	Washings must be prevented from entering surface water drains or waterways.
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## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	Keep out of reach of children. Store in original container, tightly closed, away from foodstuffs, medicines, animal remedies, seeds and fertilisers. 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 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.
<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>	No special requirements. Product is used outdoors. Containment and/or segregation is the most reliable technical protection measure. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls or adequate respiratory protection (organic vapour minimum) 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 Agrichemicals NZS8409.
<b>Personal Protection</b>	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. When mixing, applying or disposing this product, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls, gloves and footwear.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Granules
<b>Colour</b>	Off white to beige colour
<b>Odour</b>	Non specific
<b>pH (1%)</b>	5 - 8
<b>Flash point (°C)</b>	NA
<b>Flammability Limits</b>	Non flammable
<b>Miscibility</b>	Miscible
<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>Incompatibility</b>	None known
<b>Decomposition</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours.
<b>Dangerous Reactions</b>	Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable.

## 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</b>	Acute Oral LD <sub>50</sub> (rat): > 2000 mg/kg Acute Dermal LD <sub>50</sub> (rat): > 2000 mg/kg
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<b>Sensitisation Effects</b>	Acute Inhalation LC <sub>50</sub> (rat) (4hr): > 5.36 mg/l
<b>Eye Damage/ Irritation</b>	Not a sensitizer
<b>Skin Corrosion/ Irritation</b>	Serious eye irritant
<b>Chronic Effects</b>	Not a skin irritant
	Based on data available, repeated exposures are not anticipated to cause additional significant adverse effects.

## 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>Ecotoxic Effects</b>	<b>Acute toxicity to Fish</b> LC <sub>50</sub> (96 h) (carp): > 100 mg/L LC <sub>50</sub> (96 h) (rainbow trout): > 100 mg/L LC <sub>50</sub> (96 h) (sheepshead minnow): > 120 mg/L LC <sub>50</sub> (96 h) (mysid shrimp): > 121 mg/L LC <sub>50</sub> (96 h) (eastern oyster): > 128 mg/L <b>Acute toxicity to Birds</b> Oral LD <sub>50</sub> (quail): > 2,000 mg/kg <b>Growth Inhibition, Algae</b> ErC <sub>50</sub> (96 h) (algae) > 119 mg/L <b>Toxicity to aquatic Invertebrates</b> EC <sub>50</sub> (48 h) (daphnia): > 100 mg/L <b>Toxicity to honey bees</b> LD <sub>50</sub> (oral): > 60.5 µg/bee; (contact): > 100 µg/bee
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## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Product</b>	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.
<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>	NA
<b>Proper Shipping Name</b>	NA
<b>Class</b>	NA
<b>Subsidiary Class</b>	NA
<b>Packaging Group</b>	NA
<b>Additional Information</b>	NA
<b>MTQ (Non-Commercial)</b>	NA

## SECTION 15 – REGULATORY INFORMATION

<b>HSNO Approval No</b>	HSR101027
<b>ACVM Approval No</b>	P010197

## 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)