


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

<b>Product Name</b>	<b>Para-Ken 250 Herbicide</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</b>	<b>0800 POISON (0800 764 766) (24 hours)</b>
<b>Use</b>	For the control of weeds in Clover seed crops, Dry Drains & Waterways, Forestry Nurseries, Lucerne, and for Barley grass control.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>		
<b>GHS Signal Word</b>	<b>DANGER</b>	
<b>Hazard Classification</b>	Acute oral toxicity Category 3, Acute inhalation toxicity Category 1, Skin irritation Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 1, 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>	H301: Toxic if swallowed. H330: Fatal if inhaled. H315: Causes skin irritation. H319: Causes serious eye irritation. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	
<b>Prevention</b>	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. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P284: Wear respiratory protection.	
<b>Response</b>	P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. 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. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P314: Get medical advice/attention if you feel unwell. P321: Specific treatment (see FIRST AID on this label). P330: Rinse mouth. P332 + P313: If skin irritation occurs: Get medical advice/attention. P337 + P313: If eye irritation persists: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage.	
<b>Storage</b>	P403 + P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.	
<b>Disposal</b>	P501: Dispose of contents/container as specified on the registered label.	

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>CAS No</b>	<b>Proportion</b>
Paraquat (present as paraquat dichloride)	1910-42-5	25% w/v

Inert ingredients

secret

To 100% w/v

## SECTION 4 – FIRST AID MEASURES

<b>Ingestion</b>	<p><b>Initiation of treatment is critical, as ingestion in relatively small quantities can prove fatal.</b> If swallowed, DO NOT induce vomiting. Seek immediate medical advice or contact Poisons Information Centre (Ph 0800 POISON – 0800 764 766). If available, give the patient to ingest:</p> <p><b>Activated Charcoal:</b> @ 100gms for adults, or 2g/Kg body weight for children, or</p> <p><b>Fullers Earth:</b> 15% solution @ 1 litre for adults or 15ml/Kg body weight for children.</p> <ul style="list-style-type: none"> <li>Effects of mild poisoning are vomiting and diarrhoea.</li> <li>Effects of Moderate to Severe poisoning - immediate effects are vomiting, abdominal discomfort, soreness, inflammation and after 24 – 48 hours, probable ulceration of the lips, mouth and throat and diarrhoea. Kidney and liver damage may appear 1 – 3 days after exposure. Severe (fatal) lung damage within 1 – 3 weeks of exposure..</li> <li>Lethal (fatal) poisoning occurs at &gt;30mg/Kg of body weight (usually within 48 hours).</li> </ul>
<b>Eye</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids are to be held open, and contact lenses must be removed. Seek consultation with an eye specialist as soon as practicably possible after initial emergency treatment.
<b>Skin</b>	Remove contaminated clothing. Wash affected areas or skin thoroughly with soap and water while wearing impervious gloves, and repeat washing until all contamination appears removed. Seek medical advice if irritation develops.
<b>Inhalation</b>	If breathing is irregular or stopped, begin artificial respiration, but ensure no contact by the rescuer of any Paraken residue that may be on the patient. Otherwise, remove the patient to fresh air. Do NOT use supplemental oxygen. Call the National Poisons Centre of Emergency Medical Services immediately.
<b>Advice to Doctor</b>	Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	Not a fire or explosion hazard.
<b>HAZCHEM Code</b>	2XE
<b>IER Guide No</b>	47
<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 contaminated water from fire-fighting to enter water supplies or drainage systems.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	For appropriate personal protective equipment (PPE), refer to section 8. Keep all people and animals away from the spill.
<b>Spillage</b>	Control and contain the spill and absorb with non-organic absorbent materials such as soil, 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.
<b>Environmental Precautions</b>	Concentrate, solutions and washings must be prevented from entering surface water drains, storm water drains or waterways.

## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	Keep out of reach of children. Store under lock and key, in original container,
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<b>Handling</b>	tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances (DG Classes 1, 4 & 5). Store in a cool, dry, well-ventilated place and protect from sunlight.
<b>Handler Competence</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>Additional Requirements</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 by a Certified Handler 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.
	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. 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.
<b>Personal Protection</b>	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. <b>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 impervious boots/footwear.</b>

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Soluble liquid
<b>Colour</b>	Blue to blue-green
<b>Odour</b>	Obnoxious pyridine odour
<b>pH</b>	5.0 - 7.0
<b>Specific gravity</b>	1.09 ± 0.01
<b>Flash Point (°C)</b>	NA
<b>Flammability Limits</b>	Non combustible
<b>Miscibility</b>	Soluble
<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>	Incompatible with strong acids and bases, oxidizing agents, metals, iron, zinc, and aluminium
<b>Hazardous Reactions</b>	Keep away from strong oxidising agents.

## SECTION 11 – TOXICOLOGICAL INFORMATION

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

<b>Acute Toxicity (Active Ingredient)</b>	Acute oral LD <sub>50</sub> (rat): > 707mg/kg(male); > 612mg/kg (female). Acute dermal LD <sub>50</sub> (rabbit): > 590mg/kg(male); > 735mg/kg (female). Acute inhalation LC <sub>50</sub> (rat) (4hrs): 0.02mg/L
<b>Eye Irritating</b>	Irritant.
<b>Skin Irritation</b>	Irritant.

<b>Sensitisation Effects</b>	Not a sensitizer
<b>Carcinogenic Effects</b>	None
<b>Tetratogenic (Birth) Effects</b>	None
<b>Reproductive Effects</b>	None
<b>Specific Organ Toxicity</b>	Causes damage to organs through repeated or prolonged exposure.
<b>Mutagenic Effects</b>	None
<b>Systemic Effects</b>	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:

<b>Ecotoxic Effects</b>	Paraquat LC <sub>50</sub> (96hr) (Rainbow trout): 8.3mg/L EC <sub>50</sub> (24hr) (Daphnia magna): 6mg/l EC <sub>50</sub> (72hr) (Algae - Pseudokirchneriella subcapitata): 0.34mg/L LD <sub>50</sub> (8d) (Birds - Hens): 262-380 mg/kg LC <sub>50</sub> (24d) (Soil organisms - earthworms): 262-380mg/kg LD <sub>50</sub> (72hr, oral) (Bees): 36µg/bee, (72hr, contact) (Bees): 150µg/bee
<b>Persistent/ degradability</b>	Not readily biodegradable
<b>Bioaccumulative Potential</b>	Does not Bioaccumulate
<b>Soil Mobility</b>	Immobile in soil
<b>Environmental Exposure Limit</b>	None established

## 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>	3016
<b>Proper Shipping Name</b>	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC (CONTAINS PARAQUAT)
<b>Class</b>	6
<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>	HSR000828
<b>ACVM Approval No</b>	P010408

## 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)