SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	**Max-Out 540 Herbicide**
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Hazardous Substances	
Emergency Telephone	**0800 CHEMCALL (0800 243 622) (24 hours)**
National Poisons Centre	**0800 POISON (0800 764 766) (24 hours)**
Use	A non-residual, non-selective herbicide for weed control prior to planting crops and pasture, prior to harvesting some crops and for general weed control in horticulture, agriculture, and forestry.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
GHS signal word	**NO SIGNAL WORD**
Hazard Classification	Aquatic Chronic 2
Hazard Statement	H411: Toxic to aquatic life with long lasting effects.
Prevention	P103: Read label before use. P273: Avoid release to the environment.
Response	P391: Collect spillage.
Disposal	P501: Dispose of contents/container as specified on the registered label.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	**CAS No**	**Proportion**
Glyphosate (present as potassium salt)	1071-83-6	54% w/v
Water		To 100%
Other inert ingredients	secret	<10% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	Rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. Seek immediate medical assistance.
Eye	Hold the eyes and flush immediately with plenty of water. Seek immediate medical advice if irritation develops.
Skin	Remove contaminated clothing and wash affected areas or skin with soap and water. Seek medical advice if irritation develops.
Inhalation	Remove to fresh air, keep warm and at rest. Give artificial respiration or oxygen if breathing is shallow or stopped. Get medical attention immediately.
Advice to Doctor	Treatment is symptomatic.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Not a fire or explosion hazard
HAZCHEM Code	2X
IER Guide No	47
Extinguishing Media	Extinguish fire with foam, dry powder, carbon dioxide or water spray.
Fire Fighting Instructions	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

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Wear suitable PPE as specified in Section 8 of this SDS. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite, clay or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dyke to stop material spreading or going into drains or

	waterways. Sweep up contaminated absorbent material and shovel or collect recoverable product into sealable labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area with detergent preventing runoff from entering drains. If a significant quantity of material enters drains, advise regional council and emergency services. Ensure appropriate contaminated waste disposal by consulting local, regional authority regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.
Environmental Precautions	Concentrate, solutions and washings must be prevented from entering surface water drains or waterways.

SECTION 7 – HANDLING AND STORAGE

Storage	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 (Classes 1, 4 & 5). Store in a cool, dry, well ventilated place and protect from sunlight.
Handling	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.
Handler Competence	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 requirements for class 6 and 9 substances 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.
Record Keeping	Not required.
Additional Requirements	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

Engineering Controls	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 limits. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of Agrichemical NZS8409.
Personal Protection	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of any exposure to concentrate, mists or vapours, wear **chemical resistant:** coveralls, eye protection, footwear, gloves and full respiratory protection (at least to organic vapour specification).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Soluble liquid
Colour	Clear blue colour
Odour	Slight odour
pH	4.8 – 5.2
Specific gravity	1.35
Flash point (ºC)	NA
Flammability Limits	Non combustible
Miscibility	Soluble
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatibility	No particular incompatibilities.
Decomposition	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Oxides of phosphorus and other phosphorus compounds. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. Hydrogen cyanide poisoning signs and symptoms are weakness, dizziness, headache, nausea, vomiting, coma, convulsions, and death. Death results from respiratory arrest. Hydrogen cyanide gas acts very rapidly; symptoms and death can both occur quickly.
Dangerous Reactions	Not known.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Acute Toxicity (Active Ingredient)	Acute Oral LD_{50} (rats): 5600 mg/kg Acute Dermal LD_{50} (rabbits): >5000 mg/kg
Other Information	The Australian Acceptable Daily Intake (ADI) for glyphosate for a human is 0.3 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 30 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, 'ADI List', TGA, August 2003).

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:

Ecotoxic Effects	Do not spray in high winds. Do not contaminate dams, drains, waterways or sewers with this product.
Acute Toxicity – Fish	LC_{50} (96h) for rainbow trout: 8.2-26 mg/L LC_{50} (96h) for bluegill sunfish: 5.8-14 mg/L
Acute Toxicity – Other Organisms	LD_{50} for bees: >0.1 mg/kg Birds: Not toxic to birds. LD_{50} for mallard ducks and bobwhite quail (diet) is >5620 mg/kg Bees: Not toxic to bees. LD_{50} >100 µg/bee.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved hazardous substance waste receival facility. On-site disposal of concentrate is not acceptable.
Container	Ensure the container is empty. Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning (Agrecovery), or puncture top, sides and bottom and submit to a local authority waste receival facility (Transfer Station). DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS GLYPHOSATE)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT

MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR101458
ACVM Approval No	P008991

SECTION 16 – OTHER INFORMATION

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

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