SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	**Amizon 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	For the control of a wide range of brushweeds.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
GHS Signal Word	**WARNING**
Hazard Statement	H227: Combustible liquid H302: Harmful if swallowed H317: May cause an allergic skin reaction H319: Cause serious eye irritation. H373: May cause damage to organ through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Prevention	P102: Keep out of reach of children. P103: Read label before use. P210: Keep away from heat/sparks/open flames/hot surfaces. Not smoking. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P261: Avoid breathing dust/fume/gas/mist/vapours/sprays. P264: Wash contacted areas thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P101: If medical advice is needed, have product container or label at hand. P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P337 + P313: If eye irritation persists: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P363: Wash contaminated clothing before reuse. P370 + P378: In case of fire: Use carbon dioxide, dry chemical, foam and water fog for extinction. P391: Collect spillage.
Storage	P403 + P235: Store in a well-ventilated place. Keep cool.
Disposal	P501: Dispose of contents/container as specified on the registered label.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Triclopyr (as butoxyethyl ester)	64700-56-7	30% w/v
Picloram (present as hexyloxypropylamine salt)	1918-02-1	10%w/v
Aminopyralid (present as hexyloxypropylamine salt)	150114-71-9	0.8%w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed, do not induce vomiting; seek medical advice immediately.
Eyes	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, see a doctor
Skin	Remove contaminated clothing, wash skin with plenty of soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof clothing. Wash contaminated protective 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	Combustible. May product irritating vapours under fire conditions.
HAZCHEM Code	3Z
IER Guide No	47
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire Fighting Instructions	Extinguish fire with foam, dry powder, carbon dioxide or water spray.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth or sand and place in waste containers. Wash area with detergent and water and absorb with further inert material. Dispose of safely.
Environmental Precautions	The product is relatively toxic to fish and hence should be kept from entering water bodies. On-site disposal off concentrate is not acceptable.

SECTION 7 – HANDLING AND STORAGE

Storage	Store in the closed, original container in a dry, well-ventilated area, as cool as possible out of direct sunlight and under lock and key. Keep from contact with human and animal foodstuffs, medicines and remedies, fertilisers, fungicides and insecticides, seeds and other Hazardous Substances of Classes 1, 4, & 5. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
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 either 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.
Tracking & Record Keeping	Tracking not required. Keep records of use.
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

Workplace Exposure Standards	None established for formulated product.
Engineering Controls	Handle in well ventilated areas.
Personal Protection	Avoid contact with eyes and skin. Do not inhale spray mist. Wear chemical resistant protective clothing including coveralls, boots, elbow-length PVC or Nitrile glove, face shield/eye protection and respiratory protection (organic vapour minimum specification). If product contacts skin, immediately wash area with soap and water. After each use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash protective clothing gloves, face shield etc. before reuse.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Brown
Odour	NA
Boiling point (°C)	>200 °C
Flammability Limits	Combustible
Specific Gravity (at 20°C)	1.150 $\pm$ 0.01
Miscibility	Forms emulsion
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Incompatibility	No incompatibilities reasonably foreseeable
Decomposition	Decomposition will not occur
Polymerisation	Polymerisation will not occur

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	Acute Oral LD_{50} (rats): >2000 mg/kg Acute Dermal LD_{50} (rabbit): >2000 mg/kg Acute Inhalation: The LC_{50} has not been determined
Skin Irritation	May cause slight skin irritation
Eye Irritation	May cause moderate eye irritation
Sensitization	For skin sensitization: May cause allergic skin reaction when tested in guinea pigs with active ingredients. For respiratory sensitization: No relevant data found.
Mutagenic Effects	None
Carcinogenic Effects	None
Reproductive Effects	None
Teratogenic (Birth) Effects	None
Systemic Effects	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 ingredient:

Ecotoxic Effects	**Triclopyr butoxyethyl ester** **Acute toxicity to fish** Material is highly toxic to aquatic organisms on an acute basis. LC_{50} (96hr) (Bluegill sunfish) 0.36 mg/l

	LC_{50} (96hr) (Fish) 0.310 mg/l **Acute toxicity to aquatic invertebrates** EC_{50}, (48hr) (Daphnia magna) 2.9 mg/l **Acute toxicity to algae/aquatic plants** ErC_{50}, (96hr) (Pseudokirchneriella subcapitata), Growth rate inhibition > 3.0 mg/l ErC_{50}, (14d) (Myriophyllum spicaturn) 0.0473 mg/l NOEC (14d) (Myriophyllum spicaturn) 0.00722 mg/l **Picloram** **Acute toxicity to fish** Material is highly toxic to aquatic organisms on an acute basis. LC_{50} (96hr) (Rainbow trout) 8.8 mg/l **Acute toxicity to aquatic invertebrates** EC_{50}, (48hr) (Daphnia magna) 44.2 mg/l **Acute toxicity to algae/aquatic plants** ErC_{50}, (96hr) (Pseudokirchneriella subcapitata), Growth rate inhibition > 78.7 mg/l ErC_{50}, (14d) (Myriophyllum spicaturn) 0.558 mg/l NOEC (14d) (Myriophyllum spicaturn) 0.0095 mg/l **Aminopyralid** **Acute toxicity to fish** Material is highly toxic to aquatic organisms on an acute basis. LC_{50} (96hr) (Rainbow trout) >100 mg/l **Acute toxicity to aquatic invertebrates** EC_{50}, (48hr) (Daphnia magna) > 100 mg/l EC_{50}, (96hr) (Crassostrea virginica) > 89 mg/l **Acute toxicity to algae/aquatic plants** ErC_{50}, (14d) (Myriophyllum spicaturn) 0.363 mg/l NOEC (14d) (Myriophyllum spicaturn) 0.0639 mg/l
Other information Persistence and degradability	**Triclopyr-2-butoxyethyl ester** **Biodegradability:** Chemical degradation (hydrolysis) is expected in the environment. Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability. **Stability in Water**: Hydrolysis, half-life, 8.7 d, pH 7, Half-life Temperature 25 °C **Photodegradation:** Atmospheric half-life: 5.6 Hour. Estimated **Picloram** **Biodegradability:** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions. Biodegradation may occur under aerobic conditions (in the presence of oxygen). Surface photodegradation is expected with exposure to sunlight. **Stability in Water:** Hydrolysis, half-life > 1.8 year, pH 5 - 9, Half-life Temperature 45 °C. Measured **Photodegradation:** Half-life (indirect photolysis), OH radicals, Atmospheric half-life: 12.5 Hour **Aminopyralid** **Biodegradability:** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not

Bioaccumulative Potential	necessarily mean that the material is not biodegradable under environmental conditions. **Stability in Water:** Hydrolysis, pH 5 - 9, Half-life Temperature 20 °C, Stable Hydrolysis, pH 5 - 9, Half-life Temperature 50 °C, Stable **Photodegradation:** Half-life (indirect photolysis), OH radicals, 6.4 d. Estimated **Triclopyr-2-butoxyethyl ester** Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3,000 or Log Pow between 3 and 5). Partition coefficient: n-octanol/water (log Pow): 4.62 Bioconcentration factor (BCF): 110 Fish **Picloram** Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water (log Pow): -1.92 Bioconcentration factor (BCF): 0.54 Lepomis macrochirus (Bluegill sunfish) **Aminopyralid** Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water (log Pow): -2.87

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved waste disposal facility or other approved facility.
Container	Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise crush and submit to an approved waste receival facility. 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 TRICLOPYR, PICLORAM AND AMINOPYRALID)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR007630
ACVM Approval No	P009847

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)