


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

<b>Product Name</b>	<b>Amizon 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 a wide range of brushweeds.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>	
<b>GHS Signal Word</b>	<b>WARNING</b>
<b>Hazard Statement</b>	<p>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.</p>
<b>Prevention</b>	<p>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.</p>
<b>Response</b>	<p>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.</p>
<b>Storage</b>	P403 + P235: Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	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

<b>Ingestion</b>	If swallowed, do not induce vomiting; seek medical advice immediately.
<b>Eyes</b>	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
<b>Skin</b>	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.
<b>Inhalation</b>	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.
<b>Advice to Doctor</b>	Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	Combustible. May produce irritating vapours under fire conditions.
<b>HAZCHEM Code</b>	3Z
<b>IER Guide No</b>	47
<b>Extinguishing Media</b>	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Fire Fighting Instructions</b>	Extinguish fire with foam, dry powder, carbon dioxide or water spray.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	For appropriate personal protective equipment (PPE), refer to section 8.
<b>Spillage</b>	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.
<b>Environmental Precautions</b>	The product is relatively toxic to fish and hence should be kept from entering water bodies. On-site disposal of concentrate is not acceptable.

## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	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.
<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 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.
<b>Tracking &amp; Record Keeping</b>	Tracking not required. Keep records of use.
<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>Workplace Exposure Standards</b>	None established for formulated product.
<b>Engineering Controls</b>	Handle in well ventilated areas.
<b>Personal Protection</b>	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

<b>Form</b>	Liquid
<b>Colour</b>	Brown
<b>Odour</b>	NA
<b>Boiling point (°C)</b>	>200 °C
<b>Flammability Limits</b>	Combustible
<b>Specific Gravity (at 20°C)</b>	1.150 ± 0.01
<b>Miscibility</b>	Forms emulsion
<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>	No incompatibilities reasonably foreseeable
<b>Decomposition</b>	Decomposition will not occur
<b>Polymerisation</b>	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.

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

<b>Ecotoxic Effects</b>	<b><u>Triclopyr butoxyethyl ester</u></b> <b>Acute toxicity to fish</b> Material is highly toxic to aquatic organisms on an acute basis. LC <sub>50</sub> (96hr) (Bluegill sunfish) 0.36 mg/l
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LC<sub>50</sub> (96hr) (Fish) 0.310 mg/l

**Acute toxicity to aquatic invertebrates**

EC<sub>50</sub>, (48hr) (Daphnia magna) 2.9 mg/l

**Acute toxicity to algae/aquatic plants**

ErC<sub>50</sub>, (96hr) (Pseudokirchneriella subcapitata), Growth rate inhibition > 3.0 mg/l

ErC<sub>50</sub>, (14d) (Myriophyllum spicatum) 0.0473 mg/l

NOEC (14d) (Myriophyllum spicatum) 0.00722 mg/l

**Picloram**

**Acute toxicity to fish**

Material is highly toxic to aquatic organisms on an acute basis.

LC<sub>50</sub> (96hr) (Rainbow trout) 8.8 mg/l

**Acute toxicity to aquatic invertebrates**

EC<sub>50</sub>, (48hr) (Daphnia magna) 44.2 mg/l

**Acute toxicity to algae/aquatic plants**

ErC<sub>50</sub>, (96hr) (Pseudokirchneriella subcapitata), Growth rate inhibition > 78.7 mg/l

ErC<sub>50</sub>, (14d) (Myriophyllum spicatum) 0.558 mg/l

NOEC (14d) (Myriophyllum spicatum) 0.0095 mg/l

**Aminopyralid**

**Acute toxicity to fish**

Material is highly toxic to aquatic organisms on an acute basis.

LC<sub>50</sub> (96hr) (Rainbow trout) >100 mg/l

**Acute toxicity to aquatic invertebrates**

EC<sub>50</sub>, (48hr) (Daphnia magna) > 100 mg/l

EC<sub>50</sub>, (96hr) (Crassostrea virginica) > 89 mg/l

**Acute toxicity to algae/aquatic plants**

ErC<sub>50</sub>, (14d) (Myriophyllum spicatum) 0.363 mg/l

NOEC (14d) (Myriophyllum spicatum) 0.0639 mg/l

**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

**Other information  
Persistence and  
degradability**

<b>Bioaccumulative Potential</b>	necessarily mean that the material is not biodegradable under environmental conditions.
	<b>Stability in Water:</b> Hydrolysis, pH 5 - 9, Half-life Temperature 20 °C, Stable Hydrolysis, pH 5 - 9, Half-life Temperature 50 °C, Stable
	<b>Photodegradation:</b> Half-life (indirect photolysis), OH radicals, 6.4 d. Estimated
	<b>Triclopyr-2-butoxyethyl ester</b> 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
	<b>Picloram</b> 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)
	<b>Aminopyralid</b> Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water (log Pow): -2.87

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Product</b>	Dispose of this product only by using according to the label, or at an approved waste disposal facility or other approved 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, 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

<b>Dangerous Goods</b>	
<b>UN Number</b>	3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS TRICLOPYR, PICLORAM AND AMINOPYRALID)
<b>Class</b>	9
<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>	HSR007630
<b>ACVM Approval No</b>	P009847

## SECTION 16 – OTHER INFORMATION

<b>This SDS contains only safety-related information. For other data see product literature.</b>	
<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)