


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

<b>Product Name</b>	<b>Ken-Zon 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 Use</b>	<b>0800 POISON (0800 764 766) (24 hours)</b> For the control of gorse, broom, blackberry and other brushweeds and certain broadleaf weeds in pasture, forestry, amenity turf and non-cropland areas.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>		
<b>GHS Signal Word</b>	<b>WARNING</b>	
<b>Hazard statement</b>	<p>H302: Harmful if swallowed.                      H317: May cause an allergic skin reaction.                      H319: Causes serious eye irritation.                      H373: May cause damage to organs 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.                      P260: Do not breathe dust/fume/gas/mist/vapours/spray.                      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.                      P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.                      P337 + P313: If eye irritation persists: Get medical advice/attention.                      P363: Wash contaminated clothing before reuse.                      P391: Collect spillage.</p>	
<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>
Triclopyr (as butoxyethyl ester)	64700-56-7	30% w/v
Picloram (as hexyloxypropylamine salt)	1918-02-1	10%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>	Non-flammable May product irritating vapours under fire conditions.
<b>HAZCHEM Code</b>	2X
<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. Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in an approved waste receival facility in accordance with local authority regulations. 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 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>	Well ventilated.
<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/Nitrile gloves, face shield and respiratory protection (to a minimum of organic vapour 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 before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Yellow to brown
Odour	Aromatic odour
Boiling point (°C)	>200 °C
Flammability Limits	Non flammable
Specific Gravity (at 20°C)	1.124 ± 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 <sub>50</sub> (rats): >2000 mg/kg Acute Dermal LD <sub>50</sub> (rabbit) : >2000 mg/kg
Other Information	The Australian Acceptable Daily (ADI) of triclopyr for a human is 0.005 mg/kg/day, set for public for daily, lifetime exposure. This is based on the NOAEL of 0.5mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. The Australian Acceptable Daily (ADI) of picloram for a human is 0.07mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 7 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.
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	<b>Acute Toxicity – Fish</b> Picloram and triclopyr have low toxicity to fish and do not bioaccumulate in animal systems. <b>Acute Toxicity – Other Organisms</b> Picloram has low toxicity to birds, honey bees, livestock and aquatic organisms. Triclopyr has low toxicity to aquatic organisms, livestock, birds and honeybees.  For Triclopyr as the butoxyethyl ester: Non-toxic to honey bees at > 100 mg/bee LC <sub>50</sub> (96 hrs) for rainbow trout: 0.74 mg/L LC <sub>50</sub> (96 hrs) for bluegill sunfish: 0.87 mg/L
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<b>Other information</b>	<p>For Picloram:                      Not toxic to bees.                      LC<sub>50</sub> (96 hrs) for bluegill sunfish: 19.4 mg/L                      LC<sub>50</sub> (96 hrs) for flathead minnow: 55.3 mg/L                      Picloram and triclopyr do not bioaccumulate in animal systems.</p> <p>The breakdown of picloram in soil is variable and is influenced by soil moisture, temperature and organic content. Under spill conditions or very high use rates, residues could remain in the soil up to four years, particularly in arid soils. At low application rates, under warm, moist conditions, residues decline sufficiently to allow growth of susceptible plants within twelve months. In soil, picloram is degraded by photodegradation and microbial action. In water, it is degraded by ultra-violet light with a half-life of one to forty days depending on sunlight intensity. Picloram typically remains in the top thirty centimetres of a soil profile depending on soil adsorption properties.</p> <p>Triclopyr butoxyethyl ester is rapidly hydrolysed to triclopyr acid in soil and water. Triclopyr acid is degraded by microbial action and photodecomposition. Triclopyr acid, in soil, has a half life of approximately forty days, depending on soil and climatic conditions. In water, triclopyr acid will decompose rapidly with a half-life of one to two days. Minimal leaching of triclopyr acid may occur in light soils under high rainfall conditions.</p>
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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 substances waste disposal 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 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)
<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>	HSR002485
<b>ACVM Approval No</b>	P007682

## 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)