


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

<b>Product Name</b>	<b>Ox 240 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 pre- and post-emergence control of broadleaf weeds and some annual grasses in applies, grapes, kiwifruit, stonefruit and forest nurseries.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>	
<b>GHS Signal Word</b>	<b>DANGER</b>
<b>Hazard Statement</b>	H227: Combustible liquid. H319: Causes serious eye irritation. H304: May be fatal if swallowed and enters airways. H360: May damage fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H411: Toxic to aquatic life with long lasting effects.
<b>Prevention</b>	P102: Keep out of reach of children. P103: Read label before use. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P260: Do not breathe dust/fume/gas/mist/ vapours/spray. P264: Wash contacted areas thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P281: Use personal protective equipment as required. P101: If medical advice is needed, have product container or label at hand. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313: IF exposed or concerned: Get medical advice/attention. P314: Get medical advice/attention if you feel unwell. P331: Do NOT induce vomiting. P337 + P313: If eye irritation persists: Get medical advice/attention. P370 + P378: In case of fire: Use carbon dioxide, dry chemical, foam and water fog for extinction.
<b>Storage</b>	P391: Collect spillage. P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.
<b>Disposal</b>	P501: Dispose of contents/container as specified on the registered label.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Oxyfluorfen	42874-03-3	24% 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

<b>Skin</b>	holding the eyelids open. Remove contact lenses if worn. If irritation persists, seek immediate medical advice Remove contaminated clothing, wash skin with plenty of soap and water. Seek immediate medical advice or attention 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>	This product is classified as a combustible liquid. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
<b>HAZCHEM Code</b>	2X
<b>IER Guide No</b>	No
<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 Spillage</b>	For appropriate personal protective equipment (PPE), refer to section 8. Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth, zeolite clay or sand and place in sealable waste containers. Wash area with detergent and water and absorb with further inert material. Dispose of contaminated materials and waste product at an approved hazardous substances waste management facility or approved transfer station.
<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 receive facility in accordance with local government 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 either be a Certified Handler or suitably 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 Additional Requirements</b>	Tracking not required. All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2014 'Management of Agrichemicals', and relevant local and regional council plans.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Workplace Exposure Standards</b>	The manufacturer of the solvent has recommended an occupational exposure limit of 100 mg/m <sup>3</sup> ; 15ppm TWA, as total hydrocarbon. NOHSC has set the following exposure standard for N-methyl pyrrolidone: TLV (TWA) 103 mg/m <sup>3</sup> ,
---	--

<b>Engineering Controls</b> <b>Personal Protection</b>	<p>STEL 309 mg/m<sup>3</sup>. SK 'SK' notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.</p> <p>Well ventilated.</p> <p>Avoid contact with eyes and skin. Do not inhale spray mist. Wear chemical resistant protective clothing including: coveralls, boots, elbow-length PVC gloves, face shield and respiratory protection (minimum 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.</p>
---	---

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid
<b>Colour</b>	Amber
<b>Odour</b>	Aromatic odour
<b>Boiling point (°C)</b>	NA
<b>Flammability Limits</b>	Combustible
<b>Specific Gravity (at 20°C)</b>	1.080 ± 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>	<p>Acute Oral LD<sub>50</sub> (rats): &gt;5,000 mg/kg</p> <p>Acute Dermal LD<sub>50</sub> (rabbit): &gt;10,000 mg/kg</p> <p>Acute Inhalation LC<sub>50</sub> (rat, 4hrs): &gt;5.4 mg/l</p>
<b>Other Information</b>	<p>The Australian Acceptable Daily Intake (ADI) for oxyfluorfen for a human is 0.025 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 2.5 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, September 2006).</p>
<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>	<p><b>Acute Toxicity – Fish</b></p> <p>LC<sub>50</sub> (96 hrs) for rainbow trout: 0.41 mg/L</p> <p>LC<sub>50</sub> (96 hrs) for bluegill sunfish: 0.2 mg/L</p> <p><b>Acute Toxicity – Daphnia</b></p> <p>LC<sub>50</sub> (48 hrs) for daphnia: 1.5 mg/L</p> <p><b>Acute Toxicity – Other Organisms</b></p> <p>Birds: Non toxic to birds. LD<sub>50</sub> for bobwhite quail: &gt;2,250 mg/kg</p> <p>Bees: Not toxic to bees. LD<sub>50</sub> &gt;25 µg/bee</p>
-------------------------	---

## 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 receiveal facility. On-site disposal of concentrate is not acceptable
<b>Container</b>	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 receiveal facility (Transfer Station). 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 OXYFLUORFEN)
<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>	HSR100984
<b>ACVM Approval No</b>	P009166

## 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)