


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

<b>Product Name</b>	<b>Diuron 900 WG 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 long term non selective control of most annual and some perennial weeds and selective weed control in established grapes, asparagus, kiwifruit and apples.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>		
<b>GHS Signal Word</b>	<b>DANGER</b>	
<b>Hazard Classification</b>	Acute oral toxicity Category 4, Carcinogenicity Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates.	
<b>Hazard Statement</b>	H302: Harmful if swallowed. H361: Suspected of damaging fertility or the unborn child. H351: Suspected of causing cancer. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	
<b>Prevention</b>	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264: Wash thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.	
<b>Response</b>	P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P308 + P313: IF exposed or concerned: Get medical advice/attention. P314: Get medical advice/attention if you feel unwell. P330: Rinse mouth. P391: Collect spillage.	
<b>Storage</b>	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
Diuron	330-54-1	90% w/w
Inert ingredients	secret	To 100% w/w

## SECTION 4 – FIRST AID MEASURES

<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. Seek immediate medical advice or contact Poisons Information Centre (Ph 0800 POISON – 0800 764 766)
<b>Eye</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
<b>Skin</b>	Remove contaminated clothing. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.

<b>Inhalation Advice to Doctor</b>	Remove to fresh air until recovered. If symptoms persist, seek medical advice. Treat symptomatically.
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## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	May produce irritating vapours under fire conditions. Combustible solid. Breathable air apparatus may be required in confined spaces.
<b>HAZCHEM Code</b>	2X
<b>IER Guide No</b>	47
<b>Extinguishing Media</b>	Extinguish fire with dry chemical, water spray, carbon dioxide.
<b>Fire Fighting Instructions</b>	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

<b>Personal Precautions Spillage</b>	For appropriate personal protective equipment (PPE), refer to section 8. Wear chemical resistant protective clothing including: coveralls, footwear, goggles, respiratory protection and gloves. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area with water and detergent preventing runoff from entering drains. If a significant quantity of material enters drains, advise local Regional Council and emergency services. Ensure appropriate disposal by consulting local, regional authority regulations prior to disposal.
<b>Environmental Precautions</b>	Concentrate, solutions and washings must be prevented from entering surface water drains, storm water drains or waterways.

## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	Keep out of reach of children. Store under lock and key, in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances. Store in a cool, dry, well ventilated place and protect from sunlight.
<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 either be a Certified Handler, or be trained, experienced or supervised in accordance with the requirements of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 & 4.6 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
<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>	Diuron 8 and 12 hr TWA: 1 mg/m <sup>3</sup> total dust.
<b>Engineering Controls</b>	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 limit. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of Agrichemical NZS8409.
<b>Personal Protection</b>	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of actual or potential exposure while mixing, applying or handling the product, wear chemical resistant: coveralls,

gloves, footwear and respiratory protection (at least to a minimum of organic vapour protection specification) and eye/face protection (goggles/facemask).

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Colour	Tan granule
Odour	Non-specific
pH	6 - 8
Specific gravity	NA
Melting point (°C)	> 200°C
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 incompatibilities reasonably foreseeable.
Hazardous Reactions	No.

## 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 <sub>50</sub> (rat): 3400 mg/kg Acute Dermal, LD <sub>50</sub> (rat) > 2000 mg/kg
Eye Irritating	May cause irritation, stinging, reddening and watering if in the eye.
Skin Irritation	None
Sensitisation Effects	Not a sensitizer
Carcinogenic Effects	None
Tetratogenic (Birth) Effects	None
Reproductive Effects	None
Specific Organ Toxicity	Male rats given extremely high doses of Diuron over a 2-week period showed changes in their spleen and bone marrow. Other chronic effects attributed to moderate to high doses of the pesticide over time included changes in blood chemistry, increased mortality, growth retardation, abnormal blood pigment, and anemia. When fed small amounts of Diuron in food for 2 years, animal species showed no adverse effects.
Mutagenic 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 ingredients:

Ecotoxic Effects	<b>Acute toxicity to Birds</b>
	LD <sub>50</sub> (bobwhite quail) = 1730 mg/kg
	LD <sub>50</sub> (Japanese quail and ring-necked pheasant) = > 5000 mg/kg
	LD <sub>50</sub> (mallard ducks) = 5000 mg/kg
	<b>Acute toxicity to Fish</b>
	LC <sub>50</sub> (48 h) (fish) = 4.3 mg/L - 42 mg/L
	LC <sub>50</sub> (48 h) (aquatic invertebrates) = 1 mg/L - 2.5 mg/L
	LC <sub>50</sub> (96 h) (rainbow trout) = 3.5 mg/L
	<b>Toxicity to honey bees</b>
	Non-toxic to bees.
Persistent/ degradability	Highly persistent in soils. Residue half -lives are from 1 month to 1 year. Some pineapple fields contained residues 3 years after the last application.
Bioaccumulative Potential	Octanol water partition coefficient: No data available
Soil Mobility	Soil organic carbon water partitioning coefficient:

# SAFETY DATA SHEET



<b>Environmental Exposure Limit</b>	No data available None established
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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 management 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 submit to a suitable refuse transfer station or hazardous waste receival facility. DO NOT reuse this container for any other purpose.

## SECTION 14 – TRANSPORT INFORMATION

<b>Dangerous Goods</b>	
<b>UN Number</b>	3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS DIURON)
<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>	HSR101085
<b>ACVM Approval No</b>	P009153

## 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)