

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Atrazine 900 WG Herbicide
Company Name	Kenso Corporation (M) Sdn Bhd
Address	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
Telephone	0800 536 766
Emergency Telephone	0800 CHEMCALL (0800 243 622) (24 hours)
National Poisons Centre Use	0800 POISON (0800 764 766) (24 hours) Residual herbicide for the control of certain broadleaf weeds in maize, sweetcorn, linseed and established Lucerne.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
Hazard Classification	6.1E, 6.9B, 9.1A, 9.2A, 9.3C
Priority Identifier	HARMFUL ECOTOXIC
Secondary Identifier	KEEP OUT OF REACH OF CHILDREN 6.1E = May be harmful if swallowed, inhaled or absorbed through the skin 6.9B = May cause liver damage from repeated oral exposure at high doses 9.1A = Very toxic to aquatic organisms 9.2A = Very toxic to the soil environment 9.3C = Harmful to terrestrial vertebrates

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Atrazine	1912-24-9	90% w/w
Inert ingredients	secret	To 100% w/w

SECTION 4 – FIRST AID MEASURES

Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Eye	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Inhalation	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Dust forms explosive mixture with air.
HAZCHEM Code	2X
IER Guide No	47
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire Fighting Instructions	Wear full protective clothing and self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	For appropriate personal protective equipment (PPE), refer to section 8.
Spillage	Wear suitable protective clothing including face shield, impervious gloves and boots. 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 water and absorb with further inert material.

Environmental Precautions	Dispose of safely. Washings must be prevented from entering surface water drains or waterways.
----------------------------------	---

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, fertilizers, fungicides and 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.
Approved Handler	This hazardous substance must be under the personal control of an approved handler when the substance is— (a) applied in a wide dispersive manner (b) used by a commercial contractor
Tracking & Record Keeping	Not required.
Additional Requirements	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace Exposure Standards	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
Engineering Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protection	When opening the container, preparing spray and using the prepared spray and/or controlling an accidental release wear chemical resistant coveralls buttoned to the neck and wrist, chemical resistant boots/gumboots, elbow-length nitrile gloves, full respiratory protection to a minimum of Organic Vapour standard and eye protection.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Colour	Off white
Odour	Non specific
Melting point (°C)	169-176 °C
Flammability Limits	Non flammable
Density (at 20°C)	NA
Miscibility	Dispersible
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 (Active Ingredient)	Acute Oral LD ₅₀ (rats) : >3080 mg/kg Acute Dermal LD ₅₀ (rabbit) : >3100 mg/kg Acute Inhalation LC ₅₀ (rats) (4hr) : >5100 mg/l
Other Information	The Australian Acceptable Daily Intake (ADI) for atrazine for a human is 0.005 mg/kg/day. This is based on NOEL of 0.5 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, August 2003).
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	<p>Mildly toxic to fish and other aquatic organisms. LC₅₀ (48 Hours) for rainbow trout is 10 mg/L. LC₅₀ (48 Hours) for carp is 100 mg/L. Do not appear to pose any threat to birds. The compound is non toxic to bees.</p>
Other information	Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product. Slowly hydrolyses in water at neutral pH.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved landfill 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 bury in a suitable landfill. DO NOT reuse this container for any other purpose.

SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Atrazine, 90%)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR101084
ACVM Approval No	P9154

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)