


SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	Kenso Agcare Atrazine 900 WG Herbicide
Product Type:	Group C Herbicide
Company Name:	Kenso Corporation (M) Sdn Bhd
Address:	Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number:	(07) 3216 1188
Emergency Telephone Number:	000 (Police or Fire Brigade) 13 11 26 (Poisons Information Centre)
Use:	For the control of annual weeds in sorghum, maize, sweet corn, saccaline, broom millet, sugarcane, TT-canola, lupins and other crops as per Directions for Use.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:	Classified as hazardous according to criteria of Safe Work Australia. Not classified as a Dangerous Good according to the ADG Code.
	
Classification of the Hazardous Chemical:	Skin sensitization – Category 1 Specific target organ toxicity (Repeated exposure) – Category 2 Hazardous to the aquatic environment, long-term – Chronic 1
GHS Signal Word:	WARNING
Hazard statements:	H317: May cause an allergic skin reaction. H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects.
Prevention:	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. 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.
Response:	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P314: Get medical advice/attention if you feel unwell. P321: Specific treatment (see FIRST AID on this label) P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

Disposal: P362 + P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P501: Dispose of contents and containers as specified on the registered label.

SUSMP Classification: S5
ADG Classification: N/A
UN Number: N/A

Emergency Overview

Physical Description & colour: Off-white water dispersible granules.

Odour: Non-specific odour

Major Health Hazards: No major health hazard is known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Atrazine	1912-24-9	90%
Inert ingredients	secret	to 100%

SECTION 4 – FIRST AID MEASURES

Inhalation	Not volatile. Inhalation of dust may cause respiratory irritation. Remove affected persons into fresh air.
Skin contact	Remove contaminated clothing and wash affected skin thoroughly with soap and water.
Eye contact	Hold eyes open, flood with water for at least 15 minutes. Seek medical advice.
Ingestion	If swallowed give two glasses of water immediately and induce vomiting. Seek medical advice.

Advice to Doctor

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products

Thermal Decomposition

This product is non-flammable, non-explosive and non-combustible. Extinguish warehouse or factory fires using fine water spray or foam. Do not allow fire-water to enter drains.

Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, water.

Extinguishing Media

Use water spray, foam.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal

Shovel or sweep into drums. Dispose off in an approved land-fill. Wash contaminated surfaces with detergent and water. Do not allow spills to contaminate rivers, dams or other waterways.

SECTION 7 – HANDLING AND STORAGE

Handling

When handling this product, do not eat, drink or smoke.

When mixing this product always wear a PVC or rubber apron, elbow length PVC gloves, face shield or goggles and overalls buttoned at the wrist and neck.

When spraying this product, wear a face shield or goggles

After each day's use, wash gloves, face shield or goggles and overalls.

If product gets on skin, immediately wash area with soap and water.

Storage

Store in the closed, original container in a well-ventilated area as cool as possible out of direct sunlight. Keep from contact with fertilisers and seeds.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

5 mg/m³ of air (8h time weighted average)

Engineering Controls:

No special requirements. Product is used outdoors.

Personal Protection:

Avoid contact with eyes and skin. Do not inhale dust. When opening the container and preparing the spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) a washable hat, elbow-length PVC gloves and face shield or goggles. Wear a half-face respirator if the level of atrazine in the air is likely to exceed the occupational exposure standard. If product gets in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing. Use only protective clothing bearing the mark of the Standards Association of Australia.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granules
Colour:	Off-white
Odour:	Non-specific odour
Boiling Point (°C):	Not applicable
Vapour Pressure:	0.04 mPa (20°C)
Specific Gravity:	Not applicable
Flashpoint:	Not applicable
Flammability Limits:	Non flammable

Solubility: soluble in water (30 mg/L)

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

This product is stable under normal storage conditions.

Conditions to Avoid

None.

Incompatibilities

None.

Hazardous Polymerization

Hazardous polymerization is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity – Oral

LD₅₀ (rat) >3080 mg/kg

Acute Toxicity – Dermal

LD₅₀ (rabbit) >3100 mg/kg

Acute Toxicity – Inhalation

LC₅₀ (rat) 4 hrs >5100 mg/L air for atrazine

Potential Health Effects

Health Effects

Acute:

Inhalation:	Low toxicity. Tests on rats with comparable 900 WG formulation indicate a low toxicity due to inhalation of undiluted product. (LC ₅₀ (4h), active ingredient > 710 mg/m ³ , no toxic concentration attainable)
Skin contact:	Low toxicity. Tests on rats using atrazine technical indicate a low toxicity due to skin contact with undiluted product. (LD ₅₀ > 3100 mg/kg, for active ingredient)
Eye contact:	Slightly irritating. (rabbits)
Ingestion:	Slightly irritating. (rabbits) low toxicity, if swallowed. Oral LD ₅₀ (rats) > 2200 mg/kg.

Chronic: (Active Ingredient)

Atrazine technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, teratogenic or reproductive effects was obtained. After long-term administration (ie, close to 2 years of continuous feeding) a slight increase in the incidence of mammary tumours was reported in one species (rat), one sex (female) and one strain (Sprague-Dawley) in one study at higher doses. A more recent study (1992) using Sprague-Dawley rats showed no significant difference between rats fed normal diet and those fed on a diet containing atrazine with regard to the incidence of tumours. Recent studies with the Fischer rat strain have

shown no evidence of tumour producing potential. The relevance of the mammary tumour finding to humans is doubted as epidemiological studies of workers involved in the production of atrazine for up to 30 years have shown no evidence of health problems associated with atrazine exposure. Atrazine has been listed by IARC as a Class 3, not classifiable as to carcinogenicity to humans.

Other Information:

The ADI for atrazine for a human is 0.005 mg/kg/day. This is based on NOAEL 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.

**ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, December 2023.*

SECTION 12 – ECOLOGICAL INFORMATION

Effects on birds

Do not appear to pose any threat to birds.

Effects on aquatic organisms

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.

Effects on other organisms

The compound is non-toxic to bees.

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

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

SECTION 14 – TRANSPORT INFORMATION

ADG

UN Number:	3077
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains ATRAZINE)
Class:	9
Packaging group:	III
Hazchem:	2Z
Storage and Transport:	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

IMO-IMDG

UN Number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S (contains ATRAZINE)
Class: 9
Packaging group: III
Marine pollutant: Yes

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification S5
Packaging & Labelling CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS number Chemical Abstracts Service Registry Number
Hazchem Number Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC International Agency for Research on Cancer
NOHSC National Occupational Health and Safety Commission
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
UN Number United Nations Number
GHS Globally Harmonised System

CONTACT POINT:

Police and Fire Brigade: Dial 000
National Poisons Information Centre: Dial **13 11 26 (from anywhere in Australia)**
For 24 hour emergency response: Dial 0428 776 327
Ask for Russell Clark