

## SAFETY DATA SHEET

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

|                                    |                                                                                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name:</b>               | <b>Kenso Agcare Atrazine 900 WG Herbicide</b>                                                                                                                   |
| <b>Product Type:</b>               | Group 5 Herbicide                                                                                                                                               |
| <b>Company Name:</b>               | Kenso Corporation (M) Sdn Bhd                                                                                                                                   |
| <b>Address:</b>                    | Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.                                                                                                               |
| <b>Telephone Number:</b>           | (07) 3216 1188                                                                                                                                                  |
| <b>Emergency Telephone Number:</b> | 000 (Police or Fire Brigade)<br><b>13 11 26 (Poisons Information Centre)</b>                                                                                    |
| <b>Use:</b>                        | 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

|                                                  |                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard Classification:</b>                    | Classified as hazardous according to criteria of Safe Work Australia.<br>Not classified as a Dangerous Good according to the ADG Code.                                                                                                                                                                                           |
|                                                  |                                                                         |
| <b>Classification of the Hazardous Chemical:</b> | Skin sensitization – Category 1<br>Specific target organ toxicity (Repeated exposure) – Category 2<br>Hazardous to the aquatic environment, long-term – Chronic 1                                                                                                                                                                |
| <b>GHS Signal Word:</b>                          | <b>WARNING</b>                                                                                                                                                                                                                                                                                                                   |
| <b>Hazard statements:</b>                        | H317: May cause an allergic skin reaction.<br>H373: May cause damage to organs through prolonged or repeated exposure.<br>H410: Very toxic to aquatic life with long lasting effects.                                                                                                                                            |
| <b>Prevention:</b>                               | P260: Do not breathe dust/fume/gas/mist/vapours/spray.<br>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P272: Contaminated work clothing should not be allowed out of the workplace.<br>P273: Avoid release to the environment.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Response:</b>                                 | P302+P352: IF ON SKIN: Wash with plenty of soap and water.<br>P314: Get medical advice/attention if you feel unwell.<br>P321: Specific treatment (see FIRST AID on this label)<br>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

|                     |                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Not volatile. Inhalation of dust may cause respiratory irritation. Remove affected persons into fresh air. |
| <b>Skin contact</b> | Remove contaminated clothing and wash affected skin thoroughly with soap and water.                        |
| <b>Eye contact</b>  | Hold eyes open, flood with water for at least 15 minutes. Seek medical advice.                             |
| <b>Ingestion</b>    | 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/m<sup>3</sup> 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

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

LD<sub>50</sub> (rat) >3080 mg/kg

### Acute Toxicity – Dermal

LD<sub>50</sub> (rabbit) >3100 mg/kg

### Acute Toxicity – Inhalation

LC<sub>50</sub> (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<sub>50</sub> (4h), active ingredient > 710 mg/m<sup>3</sup>, 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<sub>50</sub> > 3100 mg/kg, for active ingredient)

##### **Eye contact:**

Slightly irritating. (rabbits)

##### **Ingestion:**

Slightly irritating. (rabbits)

low toxicity, if swallowed. Oral LD<sub>50</sub> (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, September 2024.*

**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.

LC<sub>50</sub> (48 Hours) for rainbow trout is 10 mg/L.

LC<sub>50</sub> (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**

|                               |                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN Number:</b>             | 3077                                                                                                                                                                  |
| <b>Proper shipping name:</b>  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE,<br>SOLID, N.O.S (contains ATRAZINE)                                                                                              |
| <b>Class:</b>                 | 9                                                                                                                                                                     |
| <b>Packaging group:</b>       | III                                                                                                                                                                   |
| <b>Hazchem:</b>               | 2Z                                                                                                                                                                    |
| <b>Storage and Transport:</b> | 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 1800 951 288  
03 9573 3188