

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Simazine 900 WG Herbicide
Product Type: Group C Herbicide
Company Name: Kenso Corporation (M) Sdn Bhd
Address: Unit 3C, 59, Oxford Street, Bulimba Queensland 4171
Telephone Number: (07) 3217 9788
Facsimile Number: (07) 3217 9733
Emergency Telephone Number: 000 (Police or Fire Brigade)
13 11 26 (Poisons Information Centre)
Use: For the control of weeds in asparagus, berry fruits, citrus, almonds, gladioli, hops, apples and pears, roses, grapevines, lupins and non-crop situations. Refer to the product label for full use instructions.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC Australia.
Risk Phrase(s): R20/22 Harmful through inhalation, and if swallowed.
R36 Irritating to eyes.
R40 Harmful: possible risk of irreversible effects.
R43 May cause sensitization by skin contact.
Safety Phrase(s): S2 Keep out of reach of children.
S20 When using, do not eat and drink.
S25 Avoid contact with eyes.
S28 After contact with skin, wash immediately with plenty of water.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S46 If swallowed, contact a doctor or Poisons Information Centre immediately and show this container or label.
S36/37 Wear suitable protective clothing and gloves.
SUSDP Classification: S5
ADG Classification: None allocated. Not a dangerous good.
UN Number: None allocated.

Emergency Overview

Physical Description & colour: off white to beige water dispersible granule.
Odour: none specific
Major Health Hazards: No major health hazard is known.

Potential Health Effects

Health Effects

Acute:

Swallowed: Low toxicity, if swallowed. Oral LD50 (rats) >10000 mg/kg.
Eye: None irritant. (Rabbits)
Skin: None irritant. (Rabbits)

Inhaled: Because of negligible oral toxicity no study was performed.

Chronic: (Active Ingredient)

Simazine technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, teratogenic or reproductive effects was obtained. After chronic oral administration an increased incidence of mammary tumours was observed in female rats fed high doses. The relevance to humans of the mammary tumour findings is heavily doubted.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Simazine	122-34-9	90% w/w
Stabilisers and surfactants		To 100%

SECTION 4 – FIRST AID MEASURES

Swallowed	If poisoning occurs contact a doctor or Poisons Information Centre
Eye	Flush with large quantities of clean tap water for at least 15 minutes.
Skin	Remove contaminated clothing and wash affected areas thoroughly with soap and water.
Inhaled	Move affected person to fresh air and keep at rest until recovered.

Advice to Doctor

No specific antidotes exists. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

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.

Dangerous decomposition or Combustion Products

Thermal decomposition

Hazardous decomposition products

None known

Hazardous reactions

Avoid oxidising agents. Strong acids or alkalies will slowly decompose simazine.

Extinguishing Media

Use water spray, foam, carbon dioxide or dry chemical.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills and Disposal

In case of spillage it is important to take all steps necessary to:

- ❖ Avoid eye and skin contact.
- ❖ Avoid contamination of waterways.

SECTION 7 – HANDLING AND STORAGE

Storage

Store in tightly sealed original containers in a dry secure place away from fertilizers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.

Transport

Considered non-hazardous by Australian Code for the Transport of Dangerous Goods by Road and Rail.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

No exposure standards have been set for the components of this product.

Engineering Controls:

No special requirements. Product is used outdoors.

Personal Protection:

Avoid contact with eyes and skin.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Water dispersible granules
Colour:	Off white to beige
Odour:	None specific
Boiling point (°C):	Not applicable
Vapour Pressure:	810 nPa (20°C)
Specific Density:	Not applicable
Flashpoint:	Not applicable
Flammability Limits:	Non flammable
Solubility in Water:	Soluble in water

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

Toxicity data:

For simazine (active)
Acute oral LD₅₀ for rats > 5000 mg/kg
Acute percutaneous LD₅₀ for rats > 3100 mg/kg

Other Information

SECTION 12 – ECOLOGICAL INFORMATION

Known Harmful Effects on the Environment
Other Precautions

Environ. Protection

Spray drift should be avoided, read the label for more information.

Persistence / Degradability

Half life in soil is typically 70 - 110 days.

Acute Toxicity - Fish

Slightly toxic to fish.

LC₅₀ (96 hrs) > 100 mg/L in rainbow trout and crucian carp
90 mg/L in bluegill

Acute Toxicity – Other Organisms

Non-toxic to honeybees and birds

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

UN Number:	None allocated
Proper Shipping Name:	None Allocated
SUSDP Classification:	S5
ADG Class:	None allocated. Not a dangerous good.
Hazchem Code:	None allocated.
Packing Group:	None allocated.

SECTION 15 – REGULATORY INFORMATION

SUSDP Classification	S5
Packaging & Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
AICS (Australia)	All of the components in this product are listed on the Australian Inventory of Chemical Substances.

SECTION 16 – OTHER INFORMATION

This MSDS 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
AICS	Australian Inventory of Chemical Substances
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
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

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 0439 933 556

Ask for Murray Goodlich