

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name:	Kenso Agcare Dicamba 500 Selective Herbicide
Product Type:	Group 4 Herbicide
Company Name:	Kenso Corporation (M) Sdn Bhd
Address:	Level 1, 98 Commercial Road, Teneriffe QLD 4005
Telephone Number:	(07) 3216 1188
Emergency Telephone Number:	000 (Police or Fire Brigade) 13 11 26 (Poisons Information Centre)
Use:	For the control of certain broadleaf weeds in winter cereals, pastures, conservation tillage, sugar cane, turf, rice and non-crop areas as specified in the directions for use Table.

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:	Serious eye damage/eye irritation – Category 2/2A Hazardous to the aquatic environment, long term – Chronic 3
GHS Signal Word:	WARNING
Hazard statements:	H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.
Prevention:	P264: Wash contacted areas thoroughly after handling. P273: Avoid release to the environment. P280: Wear eye protection/face protection.
Response:	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention.
Disposal:	P501: Dispose of contents/container as specified on the registered label
SUSMP Classification:	S6
ADG Classification:	Not a dangerous good.
UN Number:	None allocated.

Emergency Overview

Physical Description & colour: Clear, amber liquid.
Odour: Mild amine odour.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Dicamba (present as dimethylamine salt)	1918-00-9	50%
Inert ingredients	secret	to 100%

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove to fresh air until recovered. If symptoms persist, seek medical advice.
Skin contact	Remove contaminated clothing and launder before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
Ingestion	If swallowed, DO NOT induce vomiting. Seek medical advice or contact Poisons Information Centre (Ph 13 11 26). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Advice to Doctor:

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard

Dangerous Decomposition or Combustion Products

Thermal Decomposition

Non-combustible. If involved in a fire, it will emit hydrogen chloride and possibly organochlorine compounds.

Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

Fire Fighting

Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces. Prevent fire water from entering drains or water bodies.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Dispose of at a landfill in accordance with local regulations.

Clean-up Methods – Large Spillages

Place damaged containers in recovery bins (if available) and return to manufacturer.

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 Limits

No biological exposure limit allocated. No exposure standard has been established for this product.

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Colour:	amber
Odour:	mild amine odour
Vapour Pressure:	Dicamba salt is not volatile
Boiling point:	100 °C
Flammability Limit:	Non combustible
Specific Density:	1.19 ± 0.01
Solubility:	Soluble in water

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Hazardous Reaction

Keep away from strong oxidising agents.

Hazardous Polymerization

Hazardous polymerisation is not possible.

Materials to Avoid

Reaction of the concentrate or spray mix with acids will precipitate solid dicamba and largely deactivate the product and cause blockages in spray equipment. The addition of a strong alkali such as caustic soda will cause release of dimethylamine vapour. Dimethylamine is moderately toxic, LD₅₀ (oral, rat) is 700 mg/kg and a TLV of 2 ppm (TWA) has been set.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicology Information

No harmful effects are expected if the precautions on the label and this SDS are followed.

Acute Toxicity – Oral

LD₅₀ (rat) 1707 mg/kg for dicamba

Acute Toxicity – Dermal

LD₅₀ (rabbit) >2000 mg/kg for dicamba

Acute Toxicity – Inhalation

LC₅₀ (rat) (4hr) >9.6 mg/l for dicamba

Potential Health Effects

Health Effects

Acute:

Inhalation: Not a likely route of exposure when handling the concentrate. When applying the product as a spray avoid breathing in spray mists.

Skin contact: May irritate the skin. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.

Eye contact: May cause irritation. Prolonged contact with the concentrate may cause damage to the eyes.

Ingestion: The concentrate is of low toxicity if swallowed.

Chronic:

Myotoxic muscular spasms, urinary incontinence and if excessive, dyspnea, cyanosis and exhaustion.

Other Information

The Australian Acceptable Daily Intake (ADI) for dicamba for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 3 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 2024.

SECTION 12 – ECOLOGICAL INFORMATION

Acute Toxicity – Fish

The following is data for the active ingredient, dicamba.

LC₅₀ (96 hr) for rainbow trout and bluegill sunfish is 135 mg/l.

Acute Toxicity – Daphnia

LC₅₀ (48 hr) for daphnia is 110 mg/l for dicamba.

Acute Toxicity – Other Organisms

Bees: Not toxic to bees. LD₅₀ >100 µg/bee.

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:	None allocated.
Proper shipping name:	None allocated.
Class:	None allocated.
Packaging group:	None allocated.
Storage and Transport:	Not a dangerous good.

IMO-IMDG

UN Number:	None allocated.
Proper shipping name:	None allocated.
Class:	None allocated.
Packaging group:	None allocated.
Marine pollutant:	None allocated.

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification	S6
Packaging & Labelling	POISON 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