

## MATERIAL SAFETY DATA SHEET

### Statement of Hazardous Nature:

Not classified as hazardous according to the criteria of Worksafe Australia

**Company:** Kenso Corporation (M) Sdn Bhd  
**Address:** Kirkland Corner H/177 Old Cleveland Rd. Coorparoo 4151  
**Telephone Number:** (07) 3847 4288  
**Facsimile Number:** (07) 3847 4188  
**Emergency Telephone Number:** 000 (Police or Fire Brigade)  
**131126 (Poisons Information Centre)**

## IDENTIFICATION

**Product Name:** Kenso Agcare Legacy 500 Herbicide  
**Other names:** None  
**UN Number:** Not regulated  
**Hazchem Code:** Not regulated  
**Dangerous Goods Class:** None  
**Manufacturer's Product Code:** None  
**Use:** For control of certain weeds in clover based pastures, field peas, lentils, lupins and oilseed poppies as per the Direction for Use table.

### Physical Description/Properties

**Form:** Liquid suspension  
**Colour:** Light brown  
**Odour:** No data  
**Melting point (°C):** N/A  
**Boiling point (°C):** > 100°C  
**Specific Gravity:** 1.175 ± 0.01 at 20°C  
**Vapour Pressure:** Not determined, diflufenican is not volatile  
**Flashpoint:** Non flammable

### Other Properties

### Ingredients

Chemical entity	CAS number	Proportion
Diflufenican	83164-33-4	500 g/L
Other ingredients including water		675 g/L

## HEALTH HAZARD INFORMATION

### Acute:

**Swallowed:** This product has a low acute oral toxicity, but may be harmful if a large amount is swallowed.

**Eye:** May cause slight irritation.

**Skin:** Not considered a skin irritant. Substance is not a sensitiser.

**Inhaled:** The concentrate may irritate mucous membranes of nose and mouth.

### Chronic:

Acute Over Exposure: No significant effects have been documented at levels up to 2000mg/kg

Chronic Over Exposure: Long term studies on rats, mice and dogs showed no carcinogenic, teratogenic or oncogenic potential for diflufenican.

Diflufenican was not mutagenic.

### First Aid

Swallowed:	DO NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin:	Irritation is unlikely. However, if irritation does not occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. If in doubt obtain medical advice.
Eyes:	No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.
Inhaled:	Remove person to fresh air and keep at rest until fully recovered. Inform physician.

### Advice to Doctor

Treat symptomatically. There is no specific antidote for diflufenican poisoning.

## PRECAUTIONS FOR USE

### Exposure Standards

No exposure limits have been set for diflufenican. Permissible Exposure Level (PEL) for diflufenican recommended by the manufacturer 2.3mg/m<sup>3</sup>.

### Engineering Control

Use in a well ventilated area. No special engineering controls required.

### Personal Protection

Precautions measures: Avoid contact with eyes, skin and clothing. Wash hands and face thoroughly after handling. Wherever there is potential for eye contact with the concentrate. wear goggles. Wear long sleeved clothing and gloves to prevent skin contact. Launder contaminated clothing and clean protective equipment before re-use. Use appropriate respirator when airborne exposure is excessive (organic cartridge)

### Flammability

Non-flammable.

## SAFE HANDLING INFORMATION

### Storage and Transport

Keep out of reach of children. Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, animal feed, seed and fertilizers. Protect from frost.

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

### Spills and Disposal

Avoid contact with spilled material or contaminated surfaces. Wear personal protective clothing and equipment as detailed above. Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay or other adsorbent material and store in properly labelled, sealed drums for safe disposal.

Triple rinse container, add rinsate to the spray tank, then offer container for recycling/ reconditioning, or puncture top, sides and bottom and dispose off in landfill in accordance with local regulations. If no landfill is available, bury the container below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. On-site disposal of concentrate is not acceptable.

### Fire/Explosion Hazards

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Fire decomposition products from this product are likely to be toxic and corrosive if inhaled. Take appropriate protective measures.

### Extinguishing Media

Extinguish fire with water spray, foam, dry chemical or carbon dioxide.

## OTHER INFORMATION

### Toxicity Data:

Diflufenican  
Oral LD<sub>50</sub> (rat): >2000mg/kg  
Dermal LD<sub>50</sub> (rat): > 2000mg/kg  
Eye irritant (rabbit, 24 hour): non-irritating  
Skin irritant (rabbit, 24 hour): non-irritating

Non-toxic to bees and earthworms.

Mildly harmful to aquatic life.  
LC<sub>50</sub> (rainbow trout) 75mg/L (96 hr)  
LC<sub>50</sub> (carp) 105 mg/L (96hr)

Bird toxicity:  
Acute oral LD<sub>50</sub> (quail) > 2150mg/Kg  
Acute oral LD<sub>50</sub> (mallard duck) > 4000mg/Kg

The Australian Acceptable Daily Intake (ADI) of diflufenican for a human is 0.2 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 16.3 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

**CONTACT POINT:**

Police and Fire Brigade:

**National Poisons Information Centre:**

For 24 hour emergency response:

Dial

**Dial**

Dial

000

**13 11 26 (from anywhere in Australia)**

0439 933 556

Ask for Murray Goodlich