

MATERIAL SAFETY DATA SHEET

Statement of Hazardous Nature:

Hazardous according to criteria of Worksafe Australia

Company: Kenso Corporation (M) Sdn Bhd
Address: H / 177 Old Cleveland Road, Coorparoo
Queensland 4151
Telephone Number: (07) 3847 4288
Facsimile Number: (07) 3487 4188
Emergency Telephone Number: 000 (Police or Fire Brigade)
131126 (Poisons Information Centre)

IDENTIFICATION

Product Name: Kenso Agcare Metoken 720 Herbicide
Other Names: None
Manufacture's Product Code: None
UN Number: None allocated
Dangerous Goods Class: None allocated
Subsidiary Risk: None allocated
Hazchem Code: None allocated
Poisons Schedule Number: S5

Use:

For the control of certain annual grasses and broadleaf weeds in certain crops as specified in the Directions for Use.

Physical Description/Properties

Appearance: Light to dark brown liquid with aromatic odour
Boiling Point: Not available
Vapour Pressure: 18 mmHg @ 38°C
Specific Gravity: 1.045 ± 0.01
Flashpoint: 120TCC
Flammability Limits: Not available
Solubility in Water: Forms emulsion

Ingredients

Chemical Name	CAS No	Proportion
Metolachlor	51218-45-2	72% w/v
Emulsifier		> 10% w/v
Liquid hydrocarbon	64742-94-5	to 100% w/v

HEALTH HAZARD INFORMATION

Health Effects

Acute:

- Swallowed:** Practically non-toxic.
- Eye:** Non-irritant
- Skin:** Non-irritant
- Inhaled:** Low toxicity.

Chronic:

Chronic toxicity and/or oncogenicity studies were conducted on metolachlor in rats, mice and dogs. Metolachlor technical has been extensively tested on laboratory mammals and in test tube systems. No evidence of mutagenic, teratogenic or reproductive effect was obtained. In two separate studies in mice, metolachlor technical did not induce tumors or other long-term toxic effects. No adverse effects were observed in two long-term studies in rats, except at very high doses, where a small number of females developed benign liver tumors. The observed oncogenic response reflects the metabolic overloading of the liver at the highest dose level administered which resulted in cytotoxicity.

First Aid

Swallowed	If swallowed, and if more than 15 minutes from a hospital do not induce vomiting, Seek medical advice or contact Poisons Information Centre (Ph 13 11 26)
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
Skin	Remove contaminated clothing and launder before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops.
Inhaled	Remove to fresh air, keep warm and at rest until recovered.

First Aid Facilities:

Advice to Doctor:

Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards:

None established for formulated product

Ingredient	TLV ppm
Solvent	100

Engineering Controls:

Well ventilated

Personal Protection:

Avoid contact with eyes and skin. Do not inhale spray mist. When preparing spray solution, wear PVC/rubber apron or cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and goggles or face-shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face and contaminated clothing.

Flammability

Combustible C1.

SAFE HANDLING INFORMATION

Storage

Do not use or store near heat or naked flames. Store in the closed, original container in a well-ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. Do not store for prolonged periods in direct sunlight.

This product is classified as a **C1 (Combustible Liquid)** for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to state regulations for storage and transport requirements.

Transport

Not considered hazardous by Australian Code for the Transport of Dangerous Goods by Road and Rail.

Spills and Disposal

Ensure suitable personal protection (including respiratory protection) during removal of spillage. Contain spill and absorb with sand or other absorbent material. Do not allow to enter drains, sewers and watercourses. Collect in sealed open top container for disposal. Triple rinse containers, add rinsings to spray tanks and send containers for recycling or if not recycling, break, crush or puncture and bury empty containers in a local authority landfill or in accordance with local, state or federal regulation. Do not dispose of undiluted chemicals on site.

Fire/Explosion Hazard

Dangerous decomposition or Combustion Products

Thermal decomposition

Combustible liquid.

Extinguishing Media

Extinguish fire with foam, dry powder, carbon dioxide.

OTHER INFORMATION:

Toxicity Data:

Product

Acute oral LD₅₀ for rat: 2000 mg/kg

Acute dermal LD₅₀ for rat: 5000 mg/kg

Technical

Non-toxic to birds

Slightly toxic to fish LC₅₀ (96hr) for bluegill: 3.16 mg/L

Slightly toxic to bees

CONTACT POINT:

Police and Fire Brigade:

Dial 000

National Poisons Information Centre:

Dial 13 1126 (from anywhere in Australia)

For 24 hour emergency response:

Dial 0439 933 556

Ask for Murray Goodlich