

<b>MATERIAL SAFETY DATA SHEET</b>
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**Statement of Hazardous Nature:**

Hazardous according to criteria of Worksafe Australia

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

<b>IDENTIFICATION</b>
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<b>Product Name:</b>	<b>Kenso Agcare Trifluralin 480 Selective Herbicide</b>
<b>Other Names:</b>	None
<b>Manufacture's Product Code:</b>	None
<b>UN Number:</b>	None allocated
<b>Dangerous Goods Class:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated
<b>Hazchem Code:</b>	None allocated
<b>Poisons Schedule Number:</b>	S5

**Use:**

A pre-emergence herbicide for the control of annual grasses and certain broad leaf weeds in certain horticultural and agricultural crops as listed in the Directions for Use table.

**Physical Description/Properties**

<b>Appearance:</b>	Bright orange, Clear liquid with solvent odour
<b>Boiling Point:</b>	Not available
<b>Vapour Pressure:</b>	Not available
<b>Specific Gravity:</b>	1.18 ± 0.01
<b>Flashpoint:</b>	> 63°C
<b>Flammability Limits:</b>	Not available
<b>Solubility in Water:</b>	Forms emulsion

**Ingredients**

Chemical Name	CAS No	Proportion
trifluralin	1582-09-8	48 % w/v
Liquid hydrocarbon		47.5 % w/v

(Toxic impurities N-nitroso-di-n-propylamine : < 1 mg/kg in trifluralin technical)

## HEALTH HAZARD INFORMATION

### **Health Effects**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are :-

#### **Acute:**

- Swallowed:** The active is of low toxicity but the solvent can be concern if vomiting has occurred, aspiration of the vomit into the lungs can cause mild to severe pulmonary injury and possibly death.
- Eye:** May cause irritation and pain
- Skin:** May cause irritation. Prolonged or repeated contact with the product can cause defatting of the skin leading to secondary dermatitis. In a few people, the concentrate may cause skin sensitisation on prolonged use.
- Inhaled:** High concentrations of the vapour from the solvent while handling the product are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, can be anaesthetic and may have other central nervous system effects. Avoid working in, or inhaling spray mist.

#### **Chronic:**

No chronic effects of trifluralin exposure have been documented over many years of use, other than relatively rare skin sensitisation.

#### **First Aid**

<b>Swallowed</b>	DO NOT induce vomiting. Rinse mouth with water. Give plenty of water to drink. Seek medical assistance.
<b>Eye</b>	Irrigate with copious quantities of water for at least 15 minutes with eyelids held open. In all cases of eye contamination it is sensible precaution to seek medical advice.
<b>Skin</b>	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Inhaled</b>	Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

#### **First Aid Facilities:**

#### **Advice to Doctor:**

Treatment is symptomatic.

NB : This product also contains liquid hydrocarbon. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

## PRECAUTIONS FOR USE

### Exposure Standards:

No value assigned for this specific material by National Occupational health and Safety Commission (Worksafe Australia).

### Engineering Controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

### Personal Protection:

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES (Short), RESPIRATOR  
Avoid eye contact, repeated or prolonged skin contact and the inhalation of vapour. Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If risk of inhalation the vapour exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## SAFE HANDLING INFORMATION

### Storage

Store in the closed, original container in a well-ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. 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 AS1940. Refer to the state regulations for storage and transport requirements.

### Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for the Transport by Road and Rail.

### Spills and Disposal

Clean up immediately. Wear protective equipment to prevent skin and eye contamination. Contain using sand or soil – prevent run off into drains and waterways. Use adsorbent (soil, sand or other inert material). Collect and seal in properly labelled containers 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

#### Specific hazards

Combustible liquid

#### Fire fighting further advice

Combustible liquid. On burning will emit toxic fumes includes hydrogen fluoride, nitrogen oxides and carbon monoxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion.

**Suitable extinguishing media**

Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)

**OTHER INFORMATION:**

**Toxicity Data:**

No LD<sub>50</sub> data available for product.

Trifluralin technical

Acute oral LD<sub>50</sub> for rats: > 10,000 mg/kg

Acute dermal LD<sub>50</sub> for rabbit: > 2000 mg/kg

NOEL : 2.5 mg/kg/day

ADI : 0.02 mg/kg/day

No effect on rats given 2000 mg/Kg and dogs 1000 mg/Kg in diet for 2 years

LC<sub>50</sub> (96hr) for bluegill fingerlings : 0.089 mg/L

**CONTACT POINT:**

Police and Fire Brigade:

**National Poisons Information Centre:**

For 24 hour emergency response:

Dial

**Dial**

Dial

000

**13 1126 (from anywhere in Australia)**

0439 933 556

Ask for Murray Goodlich