

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

**Product Name:** Kenso Agcare Kenpra 750 WG Herbicide  
**Product Type:** Group B 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 selective post-emergence control of nutgrass in sugarcane, corn/maize and sorghum and for the selective post-emergence control of nutgrass and mullumbimby couch in turf. Also for the control of nutgrass in cotton using shielded sprayers.

### 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



**GHS Signal Word:** **Hazard statement:**  
H302: Harmful if swallowed.  
H320: Causes eye irritation.

**Prevention**  
P262: Do not get in eyes, on skin, or on clothing.  
P264: Wash hands, arms and face thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves, protective clothing and eye or 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.  
P370+P378: In case of fire, suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

**Storage**  
P402+P404: Store in a dry place. Store in a closed container.  
P403+P235: Store in a well-ventilated place. Keep cool.

**Disposal**  
P501: Dispose of contents and containers as specified on the registered label.

**Risk Phrases:** R22, R36. Harmful if swallowed. Irritating to eyes.  
**Safety Phrases:** S20, S22, S39, S24/25. When using, do not eat or drink. Do not breathe dust. Wear eye/face protection. Avoid contact with skin and eyes.

**SUSMP Classification:** S5  
**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.  
**UN Number:** None allocated.

**Emergency Overview**

<b>Physical Description &amp; colour:</b>	Beige coloured granules
<b>Odour:</b>	Scorched vanilla
<b>Major Health Hazards:</b>	harmful if swallowed, eye irritant.

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### Potential Health Effects

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**Inhalation:**

**Short Term Exposure:** Long term inhalation of high amounts of any nuisance dust may overload lung clearance mechanism. Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

**Long Term Exposure:** No data for health effects associated with long term inhalation.

**Skin Contact:**

**Short Term Exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

**Long Term Exposure:** No data for health effects associated with long term skin exposure.

**Eye Contact:**

**Short Term Exposure:** This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

**Long Term Exposure:** No data for health effects associated with long term eye exposure.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Halosulfuron-methyl	100784-20-1	77.3%
Other ingredients	secret	To 100%

### SECTION 4 – FIRST AID MEASURES

Swallowed:	If swallowed, do not induce vomiting; seek medical advice immediately.
Skin:	Remove contaminated clothing, wash skin with plenty of soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing before re-wearing.
Eyes:	Flush eyes immediately with plenty of fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. However, if irritation persists, see a doctor.
Inhaled:	Remove to fresh air until recovered. See a doctor if discomfort or irritation continues.

**Advice to Doctor**

Treat symptomatically. If vomiting occurs be wary of the onset of pulmonary pneumonitis caused by the solvents.

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards:</b>	There is no risk of an explosion from this product under normal circumstances. This product, if scattered, may form flammable or explosive dust clouds in air. Fire decomposition products from this product may be toxic if inhaled.
<b>Extinguishing Media:</b>	Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.
<b>Fire Fighting:</b>	When fighting fires involving significant quantities of this product, wear a splash suit complete with self contained breathing apparatus. Do not scatter spilled material with high pressure water jets.
<b>Flash point:</b>	Not flammable.

**Upper Flammability Limit:** No data.  
**Lower Flammability Limit:** No data.  
**Autoignition temperature:** No data.  
**Flammability Class:** No data.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Spills and Disposal

Contain spill and absorb with sand or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Clean up spill immediately. Collect in sealed open-top containers for disposal. Triple rinse containers, and add rinsings to the spray tank, then offer container for recycling / reconditioning, or puncture top, sites and bottom and dispose of in landfill in accordance with local regulations. On-site disposal of concentrate is not acceptable.

## 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 days 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

Exposure limits have not been established for any of the significant ingredients in this product.

### Engineering Control

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

### Protective Equipment

Poisonous if swallowed. Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including elbow-length PVC gloves and face shield. If product contacts skin, immediately wash area with soap and water. After each use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash gloves, face shield and contaminated clothing before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Water Dispersible Granule
<b>Colour:</b>	Beige coloured granules
<b>Odour:</b>	Scorched vanilla
<b>pH:</b>	5-8
<b>Vapour pressure:</b>	No Data
<b>Vapour density:</b>	No Data
<b>Boiling point/range:</b>	Solvent > 150 °C.
<b>Melting/freezing point:</b>	~175 °C.
<b>Solubility:</b>	Miscible in water

<b>Specific gravity - density:</b>	Not determined.
<b>Flashpoint:</b>	Not determined.
<b>Explosive limits (air):</b>	Not determined.
<b>Ignition temperature:</b>	Not determined.

## SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Normally stable.
<b>Conditions to avoid:</b>	Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.
<b>Materials to avoid:</b>	Strong oxidising agents.
<b>Hazardous decomposition products:</b>	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen.
<b>Hazardous reactions:</b>	Not known. Does not polymerise.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity - Oral** LD50 (rat, M/F) 2825/1947 mg/kg  
**Acute Toxicity -Dermal** LD50 (rabbit) >2000 mg/kg  
**Acute Toxicity -Inhalation** LC50 (rat) (4hr) >5.7 mg/l

Skin contact: Unlikely to have any effects if rinsed immediately. Prolonged contact may cause irritation and redness.

Eye contact: Unlikely to have any effects if rinsed immediately. Prolonged contact may likely to cause severe irritation and damage.

Inhalation/ingestion: Not a likely route of exposure when handling the concentrate. However, care should be taken to avoid the inhalation of excessive amounts of spray mist during field spraying, respiratory irritation may occur.

Reproductive Toxicity: Data indicates no reproductive effects. Data indicates no teratogenic effects.

Mutagenicity: Data indicates no mutagenic effects.

Carcinogenicity: Data indicates no carcinogenic effects.

## SECTION 12 – ECOLOGICAL INFORMATION

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

**Birds:** LD<sub>50</sub> bobwhite quail: >2250mg/kg

**Fish:** LC<sub>50</sub> bluegill sunfish (*Lepomis macrochirus*): >118mg/L

LC<sub>50</sub> rainbow trout (*Oncorhynchus mykiss*): >131mg/L

**Algae:** EC<sub>50</sub> 0.0053mg/L **Bees:** LD<sub>50</sub> >100µg/bee

**Daphnia:** EC<sub>50</sub> >107mg/L **Worms:** LD<sub>50</sub> (Worms) >1000mg/kg

Rapidly eliminated from rats in urine and faeces.

Soil degradation: - DT<sub>50</sub> typically 50 days (moderately persistent)

### Persistence/degradation

Extensively metabolised in soil.

### Mobility

Not readily leached.

## 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  
**SUSMP Classification:** S5  
**ADG Class:** None allocated. Not a dangerous good.  
**Hazchem Code:** None allocated.  
**Packing Group:** None allocated.

**SECTION 15 – REGULATORY INFORMATION**

**AICS:** All of the significant ingredients in this formulation are not to be found in the public AICS Database. However this is not a necessary requirement for registered Ag/Vet products. If you have any reason to be concerned about this, we suggest you call us on the number below.  
The following ingredient: Halosulfuron-methyl, is mentioned in the SUSMP.

**SECTION 16 – OTHER INFORMATION**

**This MSDS contains only safety-related information. For other data see product literature.**

**CONTACT POINT:**

Police and Fire Brigade:	Dial	000
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 11 26 (from anywhere in Australia)</b>
For 24 hour emergency response:	Dial	0439 933 556 Ask for Murray Goodlich