

## SAFETY DATA SHEET

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

**Product Name:** Kenso Agcare Bute 250 WG Herbicide  
**Product Type:** Group A Herbicide  
**Company Name:** Kenso Corporation (M) Sdn. Bhd.  
**Address:** Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.  
**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 grasses in a range of broadacre crops as per directions for use.

### 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:** Acute toxicity (Oral) – Category 4  
Skin corrosion/irritation – Category 2  
Carcinogenicity – Category 2  
Reproductive toxicity – Category 2  
Hazardous to the aquatic environment, long-term – Chronic 1

**GHS Signal Word:** **WARNING**

**Hazard statements:** H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H351: Suspected of causing cancer.  
H361: Suspected of damaging fertility or the unborn child.  
H410: Very toxic to aquatic life with long lasting effects.

**Prevention:** P201: Obtain special instruction before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P264: Wash contacted areas thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P273: Avoid release to the environment.  
P280: Wear protective gloves, protective clothing and eye or face protection.

**Response:** P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P321: Specific treatment (see FIRST AID on this label).

**Storage:** P330: Rinse mouth.  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
**Disposal:** P362+P364: Take off contaminated clothing and wash it before reuse.  
 P391: Collect spillage.  
 P405: Store locked up.  
**SUSMP Classification:** S5  
**ADG Classification:** N/A  
**UN Number:** N/A  
 P501: Dispose of contents and containers as specified on the registered label.

### Emergency Overview

**Physical Description & colour:** off white to beige free flowing granules

**Odour:** Unpleasant odour

**Major Health Hazards:** Product is harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling dust.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Butoxydim	138164-12-2	25.0 %
Inert ingredients	secret	To 100 %

### SECTION 4 – FIRST AID MEASURES

**General Information:**

If poisoning occurs, contact a doctor or Poisons Information Centre, Phone Australia 131 126.

<b>Inhalation:</b>	First aid is generally not required. However if inhalation occurred, remove to fresh air and observed until recover. If in doubt, contact a doctor or Poison Information Centre.
<b>Skin contact:</b>	Gently brush away excess particles. Wash thoroughly with warm water and non-abrasive soap until chemical is washed off. Remove contaminated clothing and decontaminate before reuse. If irritation persists, repeat flushing and seek medical advice.
<b>Eye contact:</b>	Brush off particles from eyes gently. No effect is expected but if irritation occurs, irrigate with copious quantity of water for at least 15 minutes or until products is removed. Obtain medical advice if irritation last more than a few minutes.
<b>Ingestion:</b>	If product is swallowed or gets in mouth, do not induce vomiting; wash mouth with water. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

**Advice to Doctor:**

Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### Fire/Explosion Hazards

### Dangerous Decomposition or Combustion Products

### Thermal Decomposition

Combustion emits oxides of carbon, oxides of nitrogen and possibly sulfur oxides. There is no risk of explosion from this product under normal circumstances.

### Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

### Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Fire-fighter should wear appropriate protective equipment with self-contained breathing apparatus.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Spills & Disposal

Sweep up material or vacuuming the materials and contain in a refuse vessel for disposal in the same manner as for packaging. Special care should be taken to restrict the release of spilled materials to waterways or drains. If significant quantity of materials enters drains, advise emergency services.

### Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

## SECTION 7 – HANDLING AND STORAGE

### Handling

Avoid contact with eyes and skin. Avoid inhaling dust. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. General safety precautions and good health industrial hygiene should be practiced.

### Storage

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate. If natural ventilation is inadequate, use of a fan is suggested.

### Personal Protective Equipment

No special skin protection is necessary, however we suggest avoid skin contact with chemical products by wearing suitable gloves (elbow length) and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If there is significant chance of dust are likely to build up, use of a dust mask is recommended.

### Eye Protection

Eye protection is recommended. Wear a protective glasses or goggles. Failure to do so may cause harm. Eyewash station is recommended in area close to where this product being used.

### Hygiene Measures

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Free flowing granules
<b>Colour:</b>	Off-white to beige
<b>Odour:</b>	Unpleasant odour
<b>pH:</b>	No data
<b>Boiling Point (°C):</b>	Not available
<b>Flashpoint:</b>	Non combustible
<b>Vapour Pressure:</b>	Not available
<b>Specific gravity:</b>	No data
<b>Water Solubility:</b>	Dispersible in water

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions. Unlikely to react or decompose under normal storage conditions.

### Conditions to Avoid

Store in closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

### Incompatibilities

Acids, bases and strong oxidizing agents.

### Fire Decomposition

Hazardous products of combustion: See Section 5.

### Polymerisation

This product will not undergo polymerisation reactions.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Toxicity data (technical)

#### Acute Toxicity – Oral

LD<sub>50</sub> (rat): 1635 - 3476 mg/kg

#### Acute Toxicity - Dermal

LD<sub>50</sub> (rat): >2000 mg/kg

#### Acute Toxicity – Inhalation:

LD<sub>50</sub> (4h)rat): >2.99 mg/L

**Skin irritation:** MODERATE IRRITANT

**Eye irritation:** MILD IRRITANT

**Sensitization:** NON SENSITISER

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## Potential Health Effects

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### Health Effects

Product is harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling dust.

#### Acute:

- Inhalation:** Product is mildly irritating but unlikely to cause anything more than mild transient discomfort. Long term inhalation of high amounts of any nuisance dust may overload lung clearance mechanism.
- Skin contact:** Product is a skin irritant. Symptoms may include itchiness and reddening of contacted area. Other symptoms may also become evident, but if treated promptly, all symptoms should disappear once exposure ceased.
- Eye contact:** Product may be irritating to eyes but unlikely to cause anything more than mild transient discomfort.
- Ingestion:** Unlikely to have significant oral exposure. Product may be mildly irritating to mucous membrane yet unlikely to cause anything more than mild transient discomfort.

#### **Reproductive Toxicity**

Suspected of damaging fertility or the unborn child.

#### **Mutagenicity**

Based on classification principles, classification criteria not meet.

#### **Carcinogenicity**

Not classified as human carcinogen.

#### **Other Information**

The ADI for butoxydim is set at 0.005 mg/kg/day with corresponding NOEL is set at 0.5 mg/kg/day. \*ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List, June 2023.

## SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

#### **Ecotoxicity data (of technical)**

##### **Acute Toxicity – Bird**

LD<sub>50</sub> bobwhite quail: >1221 mg/kg

##### **Acute Toxicity – Fish**

LC<sub>50</sub> rainbow trout (96 hrs): >6.9 mg/L

##### **Acute Toxicity – Crustaceans**

Daphnia LC<sub>50</sub> (48 hrs): >3.7 mg/L

##### **Acute Toxicity – Other organisms**

Algae: E<sub>b</sub>C<sub>50</sub> *Selenastrum capricornutum*: 0.71 mg/L

Bees: LD<sub>50</sub> (contact) 24 hrs: >200 µg/bee.

#### ENVIRONMENTAL FATE

Average half- life of butroxydim is 9 days. It degrades rapidly in aerobic soils and likely to be mobile in soils.

### 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:** 3077  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains BUTROXYDIM)  
**Class:** 9  
**Packaging group:** III  
**Storage and Transport:** Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

#### IMO-IMDG

**UN Number:** 3077  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (contains BUTROXYDIM)  
**Class:** 9  
**Packaging group:** III  
**Marine pollutant:** Yes

### SECTION 15 – REGULATORY INFORMATION

**SUSMP Classification** S5  
**Packaging & Labelling** CAUTION  
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

<b>Hazchem Number</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOHSC</b>	National Occupational Health and Safety Commission
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number
<b>GHS</b>	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 0439 933 556

Ask for Murray Goodlich