

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Bute 250 WG Herbicide
Product Type: Group 1 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
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.
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).
P330: Rinse mouth.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.

Storage: P391: Collect spillage.
 P405: Store locked up.
Disposal: P501: Dispose of contents and containers as specified on the registered label.
SUSMP Classification: S5
ADG Classification: N/A
UN Number: N/A

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.

Inhalation:	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.
Skin contact:	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.
Eye contact:	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.
Ingestion:	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

National Exposure Standards

No exposure standards have been set for this product.

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

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

LD₅₀ (rat): 1635 - 3476 mg/kg

Acute Toxicity - Dermal

LD₅₀ (rat): >2000 mg/kg

Acute Toxicity – Inhalation:

LD₅₀ (4h)rat): >2.99 mg/L

Skin irritation: MODERATE IRRITANT

Eye irritation: MILD IRRITANT

Sensitization: NON SENSITISER

Potential Health Effects

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 NOAEL of 0.5 mg/kg/day.

*ADI= *Acceptable Daily Intake*; NOAEL: *No Observable Adverse Effect Level*. Data adopted from *Australia ADI List, September 2024*.

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

Ecotoxicity data (of technical)

Acute Toxicity – Bird

LD₅₀ bobwhite quail: >1221 mg/kg

Acute Toxicity – Fish

LC₅₀ rainbow trout (96 hrs): >6.9 mg/L

Acute Toxicity – Crustaceans

Daphnia LC₅₀ (48 hrs): >3.7 mg/L

Acute Toxicity – Other organisms

Algae: E_bC₅₀ *Selenastrum capricornutum*: 0.71 mg/L

Bees: LD₅₀ (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
Hazchem:	2Z
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
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number
GHS	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	1800 951 288 03 9573 3188