

## SAFETY DATA SHEET

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

**Product Name:** Kenso Agcare Bucko 75-D Herbicide  
**Product Type:** Group I 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 a wide range of annual and perennial broadleaf weeds, as specified in the 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 sensitization – Category 1  
Serious eye damage/eye irritation – Category 1  
Hazardous to the aquatic environment, long term – Chronic 2

**GHS Signal Word:** **DANGER**

**Hazard statements:** H302: Harmful if swallowed.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H411: Toxic to aquatic life with long lasting effects.

**Prevention:** P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash contacted areas thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
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.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.  
P321: Specific treatment (see FIRST AID on this label).  
P330: Rinse mouth.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P363+P364: Take off contaminated clothing and wash it before reuse.  
P391: Collect spillage.  
P501: Dispose of contents/container as specified on the registered label

**Disposal:**

**SUSMP Classification:**

**ADG Classification:**

**UN Number:**

S6  
Not a dangerous good.  
None allocated.

### Emergency Overview

**Physical Description & colour:** clear brown liquid.

**Odour:** odourless

**Major Health Hazards:** Product is poisonous if swallowed. Avoid contact with eyes and skin. DO NOT inhale spray mist. Repeated exposure may cause allergic disorders.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
2,4-D (present as triisopropanolamine salt)	94-75-7	30%
Picloram (present as triisopropanolamine salt)	1918-02-1	7.5%
Inert ingredients		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>	If affected, remove from contaminated area to fresh air.
<b>Skin contact:</b>	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention without delay. Wash clothing before reuse. Properly dispose of contaminated leather items, such as shoes, belts and watchbands.
<b>Eye contact:</b>	Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Australia). Make every effort to prevent vomit from entering the lungs by careful placement of the patient. Give a glass of water.

<p><b>Note: Where medical attention is not immediately available or where patient is more than 15 minutes from a hospital or unless instructed otherwise: induce vomiting with fingers down back of the throat, only if conscious.</b> Lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</p>
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#### Advice to Doctor

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### SECTION 5 – FIRE FIGHTING MEASURES

#### Fire/Explosion Hazards:

##### Dangerous decomposition or Combustion products

##### Thermal decomposition

The material is not readily combustible under normal conditions. However, it will break down under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers.

Toxic, irritating vapors may be produced if product is involved in fire.

##### Hazardous Decomposition products

Hydrogen chloride and nitrogen oxides may be produced if product is involved in fire.

##### Hazardous Reactions

Not known to occur.

##### Extinguishing Media

Carbon dioxide, dry chemical, foam, water fog

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### Spills and Disposal

Extinguish sources of ignition. Do not touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and boots. Dike area and prevent entry into waterways and drains. Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal.

### 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 Standards:

Source	Material	TWA mg/m <sup>3</sup>
Australia Exposure Standards	2, 4- D Plus Picloram Herbicide (Pictoram)	10

### Engineering Controls:

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

### Personal Protection:

Eye/face protection

Use chemical goggles. Eye wash fountain should be located in immediate work area.

Skin protection

Use protective clothing chemical resistant to this material. Selective of specific items such as face shield, boots, apron or full body suit will depend on the task. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse or dispose of properly.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Clear brown
Odour:	Odourless
Boiling point (°C):	Approximately 100°C at 100kPa.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure)
Specific Gravity:	1.185 at 20°C.
Flashpoint:	Does not burn
Flammability Limits:	Not available
Solubility:	Soluble in water

## SECTION 10 – STABILITY AND REACTIVITY

### Chemical Stability

This product is stable under normal storage conditions. Exposure to elevated temperatures can cause product to decompose.

### Conditions to Avoid

Oxidizers, strong acids and strong bases.

### Fire decomposition

Upon Decomposition products depend temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: carbon monoxide, carbon dioxide, hydrogen chloride and nitrogen oxides.

### Hazardous Polymerization

Hazardous polymerization is not possible.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Toxicity data:

#### 2,4-DICHLOROPHENOXYACETIC ACID:

##### TOXICITY IRRITATION

Oral (human) LDLo: 80 mg/kg Skin (rabbit): 500 mg/24h - Mild

Oral (man) LDLo: 93 mg/kg Eye (rabbit): 0.75 mg/24h - SEVERE

Oral (rat) LD50: 375 mg/kg

Dermal (rat) LD50: 1500 mg/kg

Dermal (rabbit) LD50: 1400 mg/kg

Human cell mutagen

Reproductive effector in rats

#### PICLORAM:

##### TOXICITY IRRITATION

Oral (rat) LD50: 2892 mg/kg \* Eye (rabbit): Moderate \*

Oral (rat) LD50: 8200 mg/kg Skin (rabbit): Mild \*

Oral (mouse) LD50: 1061 mg/kg \*

Oral (rabbit) LD50: 2000 mg/kg

Dermal (rabbit) LD50: >4000 mg/kg

Oral (duck) LD50: >2000 mg/kg

[ \* The Pesticides Manual, Incorporating The Agrochemicals Handbook, 10th Edition, Editor Clive Tomlin, 1994, British Crop Protection Council].

Toxicity class WHO Table 5; EPA IV \*

ADI 0.07 mg/kg/day

NOEL (2 y) for rats 7 mg/kg/day

Carcinogenic by RTECS criteria

Endocrine tumours, leukopenia recorded.

## Potential Health Effects

### Health Effects

#### Acute:

- Inhalation:** Product is harmful but symptoms are unavailable. May be mildly irritating yet unlikely to cause anything more than mild transient discomfort.
- Skin contact:** Prolonged contact may cause skin irritation with local redness. Prolonged or widespread skin contact may result in absorption of potentially harmful amounts.
- Eye contact:** May cause severe irritation with corneal injury which may result in permanent impairment of vision. Chemical burns may occur.

**Ingestion:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation or ulceration.

## SECTION 12 – ECOLOGICAL INFORMATION

### Known Harmful Effects on the Environment

#### 2,4-DICHLOROPHENOXYACETIC ACID:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high-water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters. Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

#### PICLORAM:

Breakdown in soil and groundwater: Picloram is found to be moderately to highly persistent in the environment. Picloram is non-volatile, mobile and soluble in water thus may be a cause of concern on groundwater contamination. Photodegradation of picloram happens only on the soil surface and can be slowly degraded by soil microorganisms. Microbial degradation of picloram happens in the presence of oxygen and is dependent on the application rate. Adsorption of picloram to soil is enhanced with an increase in the organic matter content.

#### Other Precautions

Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

#### Persistence / Degradability

Based on information for picloram, the atmospheric half-life is 12.21 days. The photolysis half-life in water is 2.3- 9.58 days. Under aerobic soil conditions, the half-life is 167-513 days.

#### Ecotoxicology

Material is harmful to aquatic organisms on an acute basis. (LC<sub>50</sub> between 10 and 100 mg/L) in most sensitive species. Material is practically non-toxic to birds on a dietary basis (LC<sub>50</sub> is >5000ppm)

## 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

<b>UN Number:</b>	None allocated
<b>Proper shipping name:</b>	None allocated
<b>Class:</b>	None allocated
<b>Packaging group:</b>	None allocated
<b>Hazchem:</b>	None allocated

**IMO-IMDG**

UN Number:	None allocated
Proper shipping name:	None allocated
Class:	None allocated
Packaging group:	None allocated
Marine pollutant:	None allocated

**SECTION 15 – REGULATORY INFORMATION**

SUSMP Classification	S6
Packaging & Labelling	POISON 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:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail
<b>CAS number</b>	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
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 11 26 (from anywhere in Australia)</b>
For 24 hour emergency response:	Dial	0428 776 327 Ask for Russell Clark