

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Alaken 480 EC Herbicide
Company Name: Kenso Corporation (M) Sdn Bhd
Address: 2 Bond Crescent, Forrest Hill,
Auckland 0620 New Zealand
(09) 410 0861
Telephone Number:
Hazardous Substances
Emergency Telephone Number: 0800 CHEMCALL (0800 243 622)
National Poison
Information Centre: 0800 POISON (0800 764 766)
Use: A selective post emergence herbicide for the control of grass weeds and storksbill in many broadleaf crops, orchards and forestry.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard classification: 3.1C, 6.1D, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2A, 9.3C
Priority Identifier: FLAMMABLE LIQUID
HARMFUL
ECOTOXIC
KEEP OUT OF REACH OF CHILDREN
Secondary Identifiers: 3.1C = Flammable liquid and vapour.
6.1D = Harmful if swallowed
6.3B = Irritating to skin
6.4A = Irritating to eyes
6.5B = May cause sensitisation by skin contact
6.7B = Limited evidence of carcinogenic effects in animal feeding studies
6.9A = May cause organ damage from repeated oral exposure at high doses
9.1A = Very toxic to aquatic organisms
9.2A = Very toxic in the soil environment
9.3C = Harmful to terrestrial vertebrates

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Alachlor	15972-60-8	48% w/v
Inert ingredient	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Swallowed	If swallowed, DO NOT induce vomiting. Seek medical advice or contact Poisons Information Centre 0800 764 766
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
Skin	Remove contaminated clothing. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops. Thoroughly decontaminate and launder clothing before reuse.

Inhaled	Remove to fresh air until recovered. If symptoms persist, seek medical advice.
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Advice to Doctor
Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards

Flammable liquid and vapour. Explosive concentrations of vapours may form in enclosed or poorly ventilated areas.

Extinguishing Media

Water spray, foam, dry chemical or CO₂. Avoid water jet.

Fire Fighting Instructions

During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Caution: Floors may be slippery if wet. Eliminate all ignition sources and naked lights. Use nonsparking equipment. Leave and/or avoid entering confined spaces. When dealing with spills wear personal protective clothing and equipment as described in section 8. Prevent further spillage or leakage. Keep bystanders away. Absorb spillage with inert material such as spill kit absorbent pads/booms, sand or clay based absorbents. Collect and place in a sealable container for disposal. Wash down affected area with water and detergent. Absorb and collect washings for disposal. Dispose of safely to a suitable landfill.

SECTION 7 – HANDLING AND STORAGE

Store in the original container, tightly closed, away from food, human and animal health products/remedies, seeds, fertilisers, insecticides, fungicides and plant health products.. Keep out of reach of children. After handling, remove protective clothing and equipment, wash hands before eating, drinking, chewing gum, smoking or using toilet. See product label for further handling and storage precautions.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls

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

Personal Protective Equipment

When opening the container, preparing spray, using the prepared spray and/or controlling an accidental release wear chemical resistant coveralls buttoned to the neck and wrist, chemical resistant boots/gumboots, elbow-length nitrile gloves, full respiratory protection to a minimum of Organic Vapour standard and eye protection..

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	light yellow
Odour:	Characteristic odour
Boiling point (°C):	About 202 °C (solvent)
Vapour Pressure:	14 mm Hg (solvent)
Specific Density:	1.14 ± 0.01

Flashpoint: 69.5 °C
Solubility in Water: emulsifiable

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Hazardous Reactions

Keep away from strong oxidising agents.

Hazardous Polymerization

Hazardous polymerisation is not possible.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity Data (information is in respect of the active ingredient)

Acute oral LD₅₀ for rat: 930 mg/kg
Acute dermal LD₅₀ for rabbit: 13300 mg/kg
Inhalation LC₅₀ (4 hr) for rat: 1.04 mg/l

Sensitisation Effects: Potential contact sensitiser in susceptible individuals.

Mutagenic Effects: None

Carcinogenic Effects: In animal feeding studies, rats given high doses of alachlor developed stomach, thyroid and nasal turbinate tumours.

Reproductive Effects: None

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxic effects (information is in respect of the active ingredient)

Acute Oral LD₅₀ (Bobwhite quail) 1536 mg/kg
LC₅₀ (96 hr) (Rainbow trout) 1.8 mg/l
EC₅₀ (48 hr) (Daphnia) 10 mg/l
Very toxic to some plant species (selective herbicide)
Non-toxic to bees

Environmental Fate: Biodegradable. DT₅₀ (soil) 14 days (typical)

Partition Co-Efficient (Kow): LogP = 3.09 (high)

Environmental Exposure Limit: None established

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 (Sea Transport): 1993

IMO Proper Shipping: FLAMMABLE LIQUID, N.O.S. (contains XYLENE), Class 3, Packaging Group III

SECTION 15 – REGULATORY INFORMATION

HSNO Approval Number: HSR000397

HSNO Controls (inc. Tracking and Record Keeping). See <http://www.epa.govt.nz> for controls.

ACVM Registration: P9080

ACVM Controls: See www.footsafety.govt.nz for registration conditions.

SECTION 16 – OTHER INFORMATION

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

CONTACT POINT:

Police and Fire Service:

Dial 111

National Poisons Information Centre:

Dial 0800 POISON (0800 764 766)

Hazardous Substances

Emergency Telephone Number:

Dial 0800 CHEMCALL (0800 243 622)