


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

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| Product Name | Alaken 480 EC Herbicide |
| Company Name | Kenso Corporation (M) Sdn Bhd |
| Address | 2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand |
| Telephone | 0800 536 766 |
| Hazardous Substances Emergency Telephone | 0800 CHEMCALL (0800 243 622) (24 hours) |
| National Poisons Centre Use | 0800 POISON (0800 764 766) (24 hours) For the control of grass weeds and storksbill in many broadleaf crops, orchards and forestry. |

SECTION 2 – HAZARDS IDENTIFICATION

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| Hazard Pictograms |  |
| Hazard Classification Priority Identifier | 3.1C, 6.1D, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2A, 9.3C FLAMMABLE LIQUID HARMFUL ECOTOXIC |
| Secondary Identifier | KEEP OUT OF REACH OF CHILDREN 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 No | Proportion |
|--------------------|---------------|-------------------|
| Alachlor | 15972-60-8 | 48.0% w/v |
| Inert ingredient | secret | To 100% w/v |

SECTION 4 – FIRST AID MEASURES

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| Ingestion | If swallowed, DO NOT induce vomiting. Seek medical advice or contact Poisons Information Centre (Ph 0800 POISON – 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 and launder well before use. Wash affected areas or skin thoroughly with soap and water. Seek medical advice if irritation develops. |
| Inhalation | Remove to fresh air until recovered. If symptoms persist, seek medical advice. |
| Advice to Doctor | Treat symptomatically. |

SECTION 5 – FIRE FIGHTING MEASURES

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| Fire/Explosion Hazard | Flammable liquid and vapour. Explosive concentration of vapours may form in enclosed or poorly ventilated areas. |
| HAZCHEM Code | 3Y |
| IER Guide No | 14 |
| Extinguishing Media | Extinguish fire with foam, dry powder, carbon dioxide or water spray. |
| Fire Fighting Instructions | During a fire, toxic fumes may be emitted. Evacuate personnel to a safe area. Always wear positive-pressure self-contained breathing apparatus and full |

protective clothing. Do not allow water from fire-fighting to enter water supplies or drainage systems.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | For appropriate personal protective equipment (PPE), refer to section 8. |
| Spillage | Contain spill and absorb with non-organic absorbent materials such as sand, zeolite clay or proprietary absorbent (vermiculite). Prevent from entering drains, waterways or sewers. Collect contaminated absorbents in sealed open top containers for disposal. Wash area with detergent and water and absorb washings with further inert material. Dispose of recovered material through a designated hazardous substances disposal facility or contact the local regional/district council for disposal information. |

SECTION 7 – HANDLING AND STORAGE

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| Storage | Keep out of reach of children. Store under lock and key, in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances (Classes 1, 4 & 5). Store in a cool, dry, well ventilated place and protect from sunlight. |
| Handling | Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking. |
| Handler Competence | Persons responsible for the storage, handling, mixing, applying or disposing of this product must be trained, experienced or supervised in accordance with requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C . |
| Additional Requirements | All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans. |

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| Engineering Controls | Handle in well ventilated areas, generally natural ventilation is adequate. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of agrichemical NZS8409. |
| Personal Protection | Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. When mixing, using or controlling spillswear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant; coveralls, footwear and gloves. |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| Form | Liquid |
| Colour | Light yellow |
| Odour | Characteristic odour |
| Specific gravity | 1.14 ± 0.01 |
| Flash point (°C) | 29 |
| Flammability Limits | Flammable |
| Miscibility | Emulsify |
| Oxidising properties | Not oxidising |
| Explosive properties | Not explosive |

SECTION 10 – STABILITY AND REACTIVITY

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| Stability | Stable under normal conditions. |
| Incompatibility | Incompatible with strong acids and bases, oxidizing agents. |
| Hazardous Reactions | No |

SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

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| Toxicology Information | No specific toxicological data is available for this product. Data below Information is for active constituent. |
| Acute Toxicity | Acute Oral, LD ₅₀ (rat) 930 mg/kg Acute Dermal, LD ₅₀ (rabbit) 13300 mg/kg Inhalation, LC ₅₀ (rat) (1hr) 1.04 mg/l |
| Eye Irritating | Irritating. |
| Skin Irritation | Irritating. |
| Sensitisation Effects | Potential contact sensitiser in susceptible individuals. |
| Carcinogenic Effects | In animal feeding studies, rats given high doses of alachlor developed stomach, thyroid and nasal turbinate tumours. |
| Teratogenic (Birth) Effects | None |
| Reproductive Effects | None |
| Mutagenic Effects | None |
| Systemic Effects | None |

SECTION 12 – ECOTOXICITY INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

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| Ecotoxic Effects | Acute Oral LD ₅₀ (Bobwhite quail) 1536 mg/kg LC ₅₀ (96hr) (Rainbow trout) 1.8 mg/l LC ₅₀ (48hr) (Daphnia) 10 mg/l Very toxic to some plant species (selective herbicide) Non-toxic to bees |
| Environmental Fate | Biodegradable. DT ₅₀ (soil) 14 days (typical) |

SECTION 13 – DISPOSAL CONSIDERATIONS

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| Product | Dispose of this product only by using according to the label, or at an approved landfill or other approved facility. |
| Container | Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, submit to local authority refuse receival facility. Do not burn. DO NOT reuse this container for any other purpose. |

SECTION 14 – TRANSPORT INFORMATION

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| Dangerous Goods | |
| UN Number | 1993 |
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. (contains XYLENE) |
| Class | 3 |
| Subsidiary Class | None |
| Packaging Group | III |
| Additional Information | MARINE POLLUTANT |
| MTQ (Non-Commercial) | 250 L |

SECTION 15 – REGULATORY INFORMATION

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| HSNO Approval No | HSR000397 |
| ACVM Approval No | P9080 |

SECTION 16 – OTHER INFORMATION

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

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| Contact Points | |
| Police, Ambulance and Fire Service | 111 |
| National Poisons Information Centre | 0800 POISON (0800 764 766) |
| Hazardous Substances Emergency | 0800 Chemcall (0800 243 622) |

SAFETY DATA SHEET

