


SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name	Pendi 455 CS 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 annual grasses and a wide range of weeds in Orchards, Vineyards, Forest nurseries and Cropping.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Pictograms	
GHS Signal Word	WARNING
Hazard Classification	Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1
Hazard Statement	H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Prevention	P260: Do not breathe dust/fume/gas/mist/vapors/spray. P273: Avoid release to the environment.
Response	P314: Get medical advice/attention if you feel unwell. P391: Collect spillage.
Disposal	P501: Dispose of contents/container as per specified on the registered label.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Pendimethalin	40487-42-1	45.5% w/v
Inert ingredients	secret	To 100% w/v

SECTION 4 – FIRST AID MEASURES

Ingestion	If swallowed seek medical advice immediately. DO NOT induce vomiting.
Eye	If concentrate or spray solution enters the eyes wash it out immediately with water. Remove contact lenses.
Skin	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with running water.
Inhalation	If inhaled move the victim to fresh air immediately.
Advice to Doctor	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazard	Non flammable.
HAZCHEM Code	2Z
IER Guide No	47
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire Fighting Instructions	During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear suitable protective clothing including chemical resistant; coveralls, face shield, gloves, boots and respiratory protection to a minimum of Organic Vapour specification.
Spillage	Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth, clay or sand and place in waste containers. Wash area with detergent and water and absorb with further inert

Environmental Precautions	material. Dispose of recovered product and contaminated material in an approved hazardous substances waste management facility or local authority transfer facility capable of hazardous waste disposal. Washings must be prevented from entering surface water drains or waterways.
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SECTION 7 – HANDLING AND STORAGE

Storage	Toxic. Keep out of reach of children. Store in original container, tightly closed, away from animal and human foodstuffs, food packaging, seeds and fertilisers. 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 either a Certified Handler or trained, experienced or supervised in accordance with the requirements of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 & 4.6 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
Tracking	Not required.
Record Keeping	Records of use/application must be kept.
Additional Requirements	All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2021 'Management of Agrichemicals', and relevant local and regional council plans.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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. In case of exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical resistant coveralls and gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Yellow orangey
Odour	Non specific
pH	6-8
Flash point (°C)	>100 °C
Flammability Limits	Non flammable
Density (at 20°C)	1.180
Miscibility	Miscible
Oxidising properties	Not oxidising
Explosive properties	Not explosive

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Incompatibility	None known
Decomposition	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Dangerous Reactions	Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Toxicology Information	No specific toxicological data is available for this product. Data below Information is based on similar composition.
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Acute Toxicity (for similar substance)	Acute Oral LD ₅₀ (rat) > 5000 mg/kg Acute Dermal LD ₅₀ (rat): > 5000 mg/kg Acute Inhalation LC ₅₀ (4 h) (rat) > 5.23 mg/L
Skin Irritation	None
Eye Irritation	None
Sensitisation Effects	None
Mutagenic Effects	None
Carcinogenic Effects	None
Reproductive Effects	None
Teratogenic (Birth) 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:

Ecotoxic Effects	<p>Acute toxicity to Fish LC₅₀ (96 h) (Bluegill sunfish) = 2036 mg/L</p> <p>Acute toxicity to Crustaceans EC₅₀ (72 h) (Daphnia) = 0.26 µg/L</p> <p>Toxicity to aquatic Invertebrates LC₅₀ (48 h) (daphnia magna) > 100 mg/L</p> <p>Toxicity to other organisms Algae: EC₅₀ (72 h) (Pseudokirchneriella subcapitata) 1490 mg/L</p>
Environmental Fate	Pendimethalin is not readily biodegradable.
Environmental Exposure Limit	None established.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product	Dispose of this product only by using according to the label, or at an approved hazardous substances waste receival facility. On-site disposal of concentrate is not acceptable Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning (Agrecovery), or puncture top, sides and bottom and submit to a local authority waste receival facility (Transfer Station). DO NOT reuse this container for any other purpose.
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SECTION 14 – TRANSPORT INFORMATION

Dangerous Goods	
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PENDIMETHALIN)
Class	9
Subsidiary Class	None
Packaging Group	III
Additional Information	MARINE POLLUTANT
MTQ (Non-Commercial)	250 L

SECTION 15 – REGULATORY INFORMATION

HSNO Approval No	HSR000547
ACVM Approval No	P009931

SECTION 16 – OTHER INFORMATION

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

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

