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Product Name: Generex Propanate
UN No: Not applicable
Dangerous Goods Class: Not applicable
Packaging Group: Not applicable
Poison Schedule: S6
Epg/GTEPG: Not applicable
Chemical Family: Water soluble formulation containing Flupropanate (as sodium salt)
745 g/l NRA Approval No. 53646/0301
Use: As a herbicide – not for reformulation or repacking.

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Appearance & Odour: Clear, viscous, amber-coloured solution
Specific gravity: 1.45
Vapour pressure: <0.04 kPa
Boiling point: >100°C
Solubility in water: Soluble
pH (1% solution): 8-10
Decomposition Point: 165°C (stable to heat and light)

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Flash Point C: N/A
Flamability Limits: Water-based solution. Not combustible or flammable

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<u>Chemical Entity</u>	<u>CAS No</u>	<u>Proportion %</u>
Flupropanate (as sodium salt)	22898-01-7	745gm/litre
WATER		balance

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The following information summarises human experience and the results of scientific investigations reviewed by health professionals for hazard evaluation and the development of precautionary and safe handling procedures recommended in this document.

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If used in accordance with label instructions no adverse symptoms would be expected. Prolonged skin contact may lead to dermatitis.

Eye: May result in irritation
Skin: May result in irritation
Inhalation: If used in poorly ventilated areas, high temperature or confined areas, vapours may cause irritation to mucous membranes and respiratory tracts, headaches and nausea.
Swallowing: Large amounts could cause nausea, vomiting, loss of muscle rigidity, cyanosis, diarrhoea and incontinence.

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Oral LD50 (Rat):	Practically Non-toxic, (11gm/kg)
Dermal LD50 (Rat):	Practically Non-toxic, (>5gm/kg)
Eye Irritation (Rabbit):	Slightly Irritating
Skin Irritation (Rabbit):	Essentially Non-irritating
Inhalation LC50 (Rat):	>1740mg/L/14 days
Mutagenicity:	None
Aquatic:	Harmless to aquatic organisms

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Airborne Exposure Limits: No exposure limits have been established for this material or its components.

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No special precautions are recommended.

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Precautionary Measures: Avoid contact with eyes, skin and clothing. Avoid contamination of fertilisers, spray materials, seed, feed, foodstuffs or water by storage or disposal.

Eye Protection: Wear a face shield or chemical safety goggles to prevent eye contact during mixing/pouring operations or other activities in which eye contact with undiluted material is likely to occur. Have eye-flushing equipment available.

Skin Protection: When handling the undiluted material wear elbow-length PVC gloves and face shield or goggles. Wash hands and contaminated skin thoroughly after handling. Launder contaminated clothing and clean protective equipment before re-use.

Respiratory Protection: Respiratory protection should not be required for normal use/handling. Avoid breathing spray mist. During periods of abnormal exposure to heavy spray or mist, use of respiratory equipment approved for pesticide vapour/mist is recommended. The respirator use

limitations specified by the manufacturer must be observed. Respiratory programs must be in compliance with AS 1715 and AS 1716.

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Stable for at least 5 years under normal conditions of packaging, warehouse storage. Avoid contamination of fertilisers, spray materials, seed, feed, foodstuffs or water by storage or disposal.

Australian Transport Code: Label: N/A Packaging Group: N/A EPG/GTEPG: N/A

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Spill or Leakage Procedure: Propanate is immobile in soils due to absorption by clay particles. It is readily excreted by animals.

Observe all PRECAUTIONS FOR USE, including use of rubber boots or rubber overshoes, when cleaning up spills.

Contain and absorb liquid spills on floor or other impervious surfaces with absorbent clays e.g. attapulgate, bentonite or kitty litter.

Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Waste Disposal.

Thoroughly scrub floor or other impervious surfaces with a strong industrial-type detergent solution and rinse with water.

Dig up liquid spills that soak into the ground, place in lined metal drums and dispose of as recommended under Waste Disposal.

Separate leaking containers from non-leakers and transfer either the container or its contents to a plastic-lined drum or other non-leaking container and dispose of as recommended under Waste Disposal. Any recovered spilled liquid should be similarly collected and disposed of.

Avoid contamination of fertilisers, spray materials, seed, feed, foodstuffs or water by storage or disposal. Keep material out of sewers, watersheds and water systems.

Waste Disposal: If wastes cannot be used according to label instructions or chemically reprocessed, dispose of in a landfill approved for pesticide disposal or bury under at least 500mm of soil in a non-crop, non-pasture area away from water sources or homes. Dispose of in accordance with all applicable local and state laws.

Containers: Emptied containers retain vapour and product residue. Observe all labelled safeguards until container is cleaned, reconditioned or destroyed. Do not cut or weld on or near this container. Triple rinse container, replace cap, then offer for recycling or reconditioning. Otherwise dispose of in a approved landfill or bury under at least 500 mm of soil in a non-crop, non-pasture area away from water sources or homes. Plastic may be burned or incinerated if possible under state and local regulations. If burned, stay out of smoke. Avoid contamination of fertilisers, spray materials, seed, feed, foodstuffs or water by storage or disposal. Keep material out of sewers, watersheds and water systems.

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Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide and/or any Class B extinguishing agent.

Special Fire/fighting Procedures: Fire fighters or other exposed to vapours, mists or products of combustion should wear full protective clothing including self-contained breathing apparatus. Thoroughly decontaminate equipment after use.

Unusual Fire and Explosion Hazards: None

Reactivity Data: Stable for at least 5 years under normal conditions of warehouse storage. Non-corrosive to stainless steel, aluminium, fibreglass and plastics. Corrosive to mild steel, galvanised steel and zinc. **DO NOT MIX, STORE OR APPLY THE PRODUCT OR SPRAY SOLUTIONS OF THE PRODUCT IN GALVANISED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.** Spray solutions of the product should be mixed, stored and applied only in stainless steel, aluminium, fibreglass, plastic and plastic-lined steel containers.

Hazardous Decomposition Products: None

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NOTE: The physical data are typical values based on material tested but may vary between samples. Values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

NB: This product is NOT classified as hazardous according to criteria of Worksafe Australia

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Contact Points:

Police and Fire Brigade:	Dial 000
National Poisons Information Centre:	Dial 13 1126 (from anywhere in Australia)
Generex (Aust) Pty Ltd	Dial (02) 9955 7799
	Fax (02) 9955 6599

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