



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product trade name: 4Farmers Tri-Pick Herbicide.
Other names:
Recommended use: Agricultural herbicide, for control of broadleaf and woody weeds.
Company name & address: 4Farmers Pty. Ltd.
A.C.N 067 443 485
70 McDowell St, Welshpool, Western Australia, 6106.
Ph: (08) 9356 3445 Fax (08) 9356 3447
643 Murray Street, West Perth, Western Australia, 6005
Emergency telephone number: Australian Centre for Occupational Health and Safety
1800 638 556 (24 hours)

2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous according to the criteria of NOHSC. Non-dangerous goods.
R36/38 Irritating to eyes/skin.
Risk phrases: R22 Harmful if swallowed.
Safety phrases: S20/21 When using do not eat or drink/smoke
S24/25 Avoid contact with skin/eyes
S29/35 Do not empty into drains/Dispose of material and container in a safe way
SUSDP Classification: S6
ADG Classification: Not a dangerous good
UN Number: None allocated

3. COMPOSITION

Substance	CAS Number	% content (w/v)
Triclopyr butoxyethyl ester	064700-56-7	34.3 (≡ 30 % Triclopyr acid)
Picloram hexyloxypropylamine	001918-02-1	19.2 (≡ 10 % Picloram acid)
Diethylene glycol monoethyl ether	000111-90-0	41.0
Emulsifiers, dispersants		≈ 15

4. FIRST AID MEASURES

Skin contact: Remove contaminated clothing. Wash contaminated skin with soapy water. If skin irritation develops, get medical attention. Wash clothing thoroughly before re-use.
Eye contact: Rinse eye(s) with clean running water for 15 mins. Get medical attention.
Ingestion: Rinse mouth. Give water to drink if patient is conscious. If more than 15 minutes from hospital or doctor, induce vomiting preferably with Ipecac syrup (DO NOT induce vomiting if patient is unconscious). Ensure patient can breathe, then give water to drink. Get medical attention.
Advice to doctor: No specific antidote is known. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical, foam, water fog.
Unsuitable extinguishing media: Water stream.
Special hazards in fire: Product is flammable. Combustion may release carbon dioxide, nitrogen oxides, and/or chlorine compounds.
Required special protective equipment for fire-fighters: Wear self contained breathing apparatus if in enclosed space.
Hazchem code: None allocated.



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6. ACCIDENTAL RELEASE MEASURES

Emergency procedures: Wear protective equipment to prevent skin and eyes being affected.
Evacuate unprotected and unnecessary personnel from area of spill.
If material is leaking from a container, stop the leak only if this can be done safely.
Prevent spillage entering drains or watercourse.

Methods for containment & cleanup: Vermiculite, Sand, Soil is a suitable absorbent, especially soils high in clay.
Soil can be used to form bunds to contain spillage.
Contaminated soil should be collected for disposal at a suitable landfill.
Contaminated area and tools should be washed down with hypochlorite bleach.
Personal protective equipment and clothing should be washed with soapy water.

7. HANDLING AND STORAGE

Handling: Keep away from food, drink, and animal feedstuff.
KEEP OUT OF REACH OF CHILDREN.
Wear suitable Personal protective equipment when handling and spraying.

Storage: Store in the original container in a dry, cool, ventilated, LOCKED area.
DO NOT store in prolonged sunlight.
DO NOT store with food, seed, or animal feedstuff.

8. EXPOSURE CONTROLS

National exposure standards: Not established. Use default of 10 mg/m³.

Biological limit values: NOEL (rats, 2 yr) 3.0 mg/kg/day, (mice) 35 mg/kg/day.
A value of 0.5 mg/kg/day has been set for humans.
ADI is set at 0.005 mg/kg/day

Engineering measures: Use assisted ventilation in enclosed spaces if needed, especially storage areas.

Personal protection equipment:

- Eye/face protection: Goggles or glasses to AS 1366, AS/NZS1337
- Hand/skin protection: Overalls, PVC gloves and apron, face shield
- Respiratory protection: Should not be necessary under normal conditions. If spray mist may be encountered, a particulate filter to AS/NZS 1715 should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid.

Odour: Petroleum/chemical.

pH: Not applicable.

Vapour pressure: Solvent is 0.14 mm @ 20 °C. Actives are very low.

Vapour density: Heavier than air.

Boiling point/range: ≈ 200 °C ?

Melting/freezing point: ? Below 0 °C.

Solubility: Forms an emulsion with water.

Specific gravity - density: ≈ 1.2

Flashpoint: ≈ 80 °C ?

Explosive limits (air): ? Unlikely to reach its explosive limit at room temperature.

Ignition temperature: ?

Other:

10. STABILITY AND REACTIVITY

Chemical stability: Unlikely to decompose or react under normal storage.

Conditions to avoid: Keep cool (< 30 °C) in storage.

Materials to avoid: Will hydrolyse in contact with aqueous acid or alkali.



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Hazardous decomposition products: Mainly CO₂. May also produce CO, nitrogen and chlorine oxides, hydrogen chloride gas.
Hazardous reactions: Not likely to polymerise.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀ (rats) ♂ 692, ♀ 577 mg/kg.
Chronic toxicity: NOEL (rats, 2 yr) 3.0 mg/kg/day, (mice) 35 mg/kg/day.
Possible routes of exposure: Inhalation of spray mist is the most likely cause of exposure.
Range of effects. Excessive exposure may affect human health as follows:
Skin contact: Prolonged exposure may lead to irritation and/or dermatitis. Not likely to cause toxic effects.
Eye contact: May cause irritation.
Inhalation/ingestion: Acute toxicity is low. Ingestion of small amounts unlikely to be harmful. Excessive inhalation of vapour may lead to headache, nausea, and/or dizziness.
Dose/conc./conditions likely to cause injury:

Delayed effects if any:
Relevant negative data: Not known to be carcinogenic, mutagenic, or teratogenic.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Aquatic organisms: Not particularly toxic.
Flora: Toxic to many plants, especially broadleaved woody weeds. Little effect on grasses.
Fauna: Not particularly toxic.
Soil organisms: Not particularly toxic.
Bees: Not toxic.
Long term: Not likely to have long term effects.
Ozone effects: None recorded.
Persistence/degradation: Relatively persistent in soils. Half life around 2-3 months depending on soil.
Mobility: Moderate, given its half life.
Bioaccumulative potential: Unknown but probably low. Readily excreted in urine.

13. DISPOSAL CONSIDERATIONS

Product: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).
Containers: Whenever possible, follow directions given on container.
If not available, triple or pressure rinse plastic or metal containers before disposal. Recycle containers if possible (replace cap and return clean containers to recycler or designated collection point). Treat rinsings as for product above.
If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
Sewage: Do not dispose of product or rinsings into sewage systems or septic tanks.

14. TRANSPORT INFORMATION

UN Number: None.
UN proper shipping name: None.
ADG Class & subsidiary risks: Not a dangerous good.
ADG Packing Group: Not a dangerous good.
Special precautions: Do not store with foodstuffs.



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Hazchem code: None allocated.
4Farmers does not anticipate that this product will be shipped by air or sea, nor be exported. Extra precautions may apply if such transport is undertaken.

15. REGULATORY INFORMATION

This product is an APVMA registered pesticide (# 55494).

16. OTHER INFORMATION

In emergency, contact:-

ACOHS

Australian Centre for Occupational Health and Safety

1800 638 556 (24 hours)

Police and Fire Brigade: Dial 000
National Poisons Information Centre: Dial 131126 (from anywhere in Australia)

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