

WELLFARM TRI-ALLATE 500 EC HERBICIDE

APVMA Product No: 70241**Poison Schedule:** 5**Emergency Telephone Number:**

The Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)

Specialist Advice In An Emergency Only 1800 033 111 All Hours Australia Wide

In A Transport Emergency Dial 000 Police Or Fire Brigade

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company: Wellfarm Pty Ltd
Website: www.wellfarm.com.au
Email: info@wellfarm.com.au
Postal Address: 22 Calypso Crescent, Point Cook, Vic 3030

Product Name: WELLFARM TRI-ALLATE 500 EC HERBICIDE
Product Type: Group J Herbicide
Formulation Type: Emulsifiable Concentrate
Product Use: Agricultural Herbicide

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Triallate	2303-17-5	500g/L
Liquid hydrocarbon	64742-94-5	471g/L
Ingredients deemed not to be hazardous	Proprietary	Balance

3. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Classified as hazardous according to the criteria of Safe Work Australia.

Hazards	Xn - Harmful N - Dangerous for the Environment
Risk Phrases	R22 - Harmful if swallowed. R43 - May cause sensitisation by skin contact. R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed. R50/53 - Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. R65 - Harmful: May cause lung damage if swallowed.
Safety Phrases	S2 - Keep out of reach of children. S23 - Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). S24 - Avoid contact with skin. S37 - Wear suitable gloves. S60 - This material and its container must be disposed of as

MATERIAL SAFETY DATA SHEET

hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Ingestion	If swallowed, do not induce vomiting. Immediately rinse mouth with water. Where vomiting occurs naturally have victim place head below hip level in order to reduce risk of aspiration. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly. Seek medical attention if symptoms persist.
Eyes	If in eyes, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek medical attention if symptoms persist.

5. FIRE-FIGHTING MEASURES

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

Suitable Extinguishing Media	Carbon dioxide, dry chemical, foam and water fog.
Hazardous Combustion Products	Carbon monoxide, carbon dioxide and other hazardous compounds.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	This product is classified as a C1 combustible product. There is little risk of an explosion from this product if commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.
Hazchem Code	Not allocated.

6. ACCIDENTAL RELEASE MEASURES

Spills	<p>In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection.</p> <p>Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways.</p> <p>Collect into labelled containers for recycling or salvage and dispose of promptly.</p> <p>After spills wash area preventing runoff from entering drains.</p>
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7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin
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Storage

contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation. Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, animal food or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (Safe Work Australia) Engineering Controls

No exposure standards set.

Respiratory Protection

This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Respiratory protection not necessary. Avoid working in and breathing spray mist.

Eye Protection

Protective glasses or goggles and face shield.

Skin Protection

Impervious elbow-length gloves, cotton overalls and washable hat.

Hygienic Practices

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Amber to brown liquid

Odour

Characteristic hydrocarbon solvent odour

Solubility in water

Emulsifiable

Boiling Point

160°C @ 100kPa

Freezing Melting Point

No information available.

Vapour Pressure

Negligible at normal ambient temperatures.

Vapour Density (Air = 1)

No information available.

Specific Gravity(H₂O=1)

0.6g/mL (bulk density)

Volatility (% by weight)

No information available.

Flash Point

> 62°C

Flammable Limit – Lower

No information available.

Flammable Limit – Upper

No information available.

Coefficient Oil/Water

Triallate 4.6 (log P octanol / water)

Distribution

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of use.

Incompatible Materials

Strong acids, strong bases and strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and other hazardous compounds

Hazardous Polymerization Conditions to Avoid

Will not occur.

No information available.

11. TOXICOLOGICAL INFORMATION

Toxicity

Technical triallate:

Oral LD₅₀ (rat) = 800 - 2165 mg/kg

Oral LD₅₀ (mice) = 930 mg/kg

Dermal LD₅₀ (rabbit) = 8200 mg/kg

Dermal LD₅₀ (rat) = 3500 mg/kg

Inhalation LC₅₀ (cat) = 0.4 mg/L - 4 hour

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Reproductive Effects: Triallate can cause reproductive defects at high doses.

Teratogenic Effects: No evidence of teratogenic effects.

Mutagenic Effects: No evidence of mutagenic effects.

Carcinogenic Effects: No evidence of carcinogenic effects.

Organ Toxicity: The largest amount of the herbicide accumulates in the liver, lungs, kidneys, and spleen. All traces are gone by the 7th day. Triallate was reported to be completely eliminated from the body of rabbits within 7 to 10 days.

Routes of Exposure Acute Health Effects

Inhalation, ingestion, eye and skin

Inhalation: May cause irritation to upper respiratory tract.

Ingestion: Harmful in case of ingestion but symptoms are not available. This product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat.

Eye: Can cause eye irritation. Symptoms may include stinging, reddening and watering of eyes. Lengthy exposure or delayed treatment may cause permanent damage.

Skin: Can cause skin irritation and symptoms may include itchiness and reddening.

Chronic Health Effects

Prolonged contact with skin may cause sensitization. It manifests as skin rash or inflammation and in some individuals this reaction can be severe.

Existing Conditions Aggravated by Exposure Carcinogenicity

No information available.

No (Safe Work Australia, NTP, IARC)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Birds:

Triallate is slightly toxic to birds.

Oral LD50 (Bob-white quail) = 2251 mg/kg

Aquatic Organisms:

Triallate is highly toxic to fish and other aquatic organisms.

LC50 96hr (Rainbow trout) = 0.62 mg/L

LC50 96hr (Channel catfish) = 1.7 mg/L

EC50 48hr (Daphnia magna) = 0.06 – 0.10 mg/L

Triallate is non-toxic to bees.

Mobility

Triallate is moderately persistent in soil, with an estimated average half-life of 82 days. Adsorption studies indicate that glyphosate has very low mobility. If there is significant moisture and/or a low level of organic matter in the soil, leaching and groundwater contamination may be possible.

Studies indicate that triallate does not bio-accumulate in plants.

Triallate is absorbed and metabolized by plants.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers

Instructions concerning the disposal of this product and its containers are given on the product label.

Dispose according to applicable local and state government

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Special precautions for landfill or incineration

regulations.

Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	Not applicable
Proper Shipping Name	Not applicable
Dangerous Goods Class	Not applicable
Subsidiary Risk	Not applicable
Hazchem Code	Not applicable
Packing Group	Not applicable
Special Provisions	Not applicable

Sea Transport:

UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Triallate)
Dangerous Goods Class	9
Hazchem Code	2X
Packing Group	III
Special Precautions	Not applicable

15. REGULATORY INFORMATION

Triallate is listed in the Australian Inventory of Chemical Substances (AICS).

SUSDP Classification: S5

16. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. Wellfarm Pty Ltd will NOT be responsible for any damages that may result from reliance on the information contained herein.

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