

WELLFARM BROMOXYNIL 200 EC HERBICIDE

APVMA Product No: 70239**Poison Schedule:** 6**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 BROMOXYNIL 200 EC HERBICIDE
Product Type: Group C Herbicide
Formulation Type: Emulsifiable Concentrate
Product Use: Agricultural Herbicide

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Bromoxynil present as the n-octanoyl ester	1689-99-2	200g/L
Liquid hydrocarbon	64742-94-5	500-700g/L
Surfactants	proprietary	10-20%

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	R50 - Very toxic to aquatic organisms. R53 - May cause long-term adverse effects in the aquatic environment. R62 - Possible risk of impaired fertility. R63 - Possible risk of harm to the unborn child.
Safety Phrases	S2 - Keep out of reach of children. S23 - Do not breathe vapour/spray S24 - Avoid contact with skin. S36/37 - Wear suitable protective clothing and gloves. S60 - This material and its container must be disposed of as 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

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immediately and show this container or label.

4. FIRST AID MEASURES

Inhalation	If inhaled remove victim to fresh air. Remove contaminated clothing and loosen remaining clothing. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Seek medical attention if symptoms persist.
Ingestion	If swallowed, rinse mouth with water. Do not induce vomiting. Do not give anything by mouth to unconscious person. Make every effort to prevent vomit entering the lungs. Seek immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. Seek medical attention if symptoms persist.
Eyes	Flush contaminated eye(s) with water for 15 minutes or until the product is removed. 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	Hydrogen bromide, hydrogen chloride, hydrogen cyanide and other compounds of bromine, chlorine and nitrogen.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	Combustible – C1
Hazchem Code	3Z

6. ACCIDENTAL RELEASE MEASURES

Spills	In the event of a major spill, prevent spillage from entering drains or water courses and eliminate all sources of sparks and open flames. Wear full protective clothing including eye/face protection. 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. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage, and dispose of promptly. Wash area with water and detergent preventing runoff from entering drains. Launder protective clothing before storage or re-use.
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7. HANDLING AND STORAGE

Handling	Exercise normal care in handling. Avoid breathing spray mists/vapours and unnecessary skin and eye contact.
storage	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, fertilizers or foodstuffs. Make sure that the product does not come into contact with incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Exposure Standards (Safe Work Australia)	Total hydrocarbon: TWA: 17 ppm / 100 mg/mg ³ STEL: - ppm / - mg/m ³
Engineering Controls	No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimized.
Respiratory Protection	If there is a significant chance that vapours/mists are likely to build up in the area where this product is being used, use a Safe Work Australia approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 AND 1716 for more information.
Eye Protection	Safety glasses with top and side. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Wear protective gloves and protective clothing appropriate for the risk of exposure. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Aromatic hydrocarbon odour
Solubility in water	Emulsifiable
Boiling Point	~178°C
Freezing Melting Point	<0°C
Vapour Pressure	4.8×10 ⁻⁶ mm Hg @ 20°C
Vapour Density (Air = 1)	No information available.
Specific Gravity	1.03@20°C
Volatility (% by weight)	~60%
Flash Point	>68°C
Flammable Limit – Lower	No information available.
Flammable Limit – Upper	No information available.
Autoignition	No information available.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal storage conditions.
Incompatible Materials	Strong oxidizing agents, chlorine and inorganic peroxides.
Hazardous Decomposition Products	Hydrogen bromide, hydrogen chloride, hydrogen cyanide and other compounds of bromine, chlorine and nitrogen.
Hazardous Polymerization Conditions to Avoid	Will not occur. High temperatures, open flame, spark and direct highlight.

11. TOXICOLOGICAL INFORMATION

Toxicity	Acute oral LD ₅₀ (rat) = 365 mg/kg (bromoxynil octanoate) Acute dermal LD ₅₀ (rabbit) > 2000mg/kg (bromoxynil octanoate) Inhalation LC ₅₀ (rat)=0.72mg/L (4 hour) (bromoxynil octanoate) Reproductive Effects: No reproductive toxicity. Carcinogenic Effects: No carcinogenic effects.
Routes of Exposure	Inhalation, ingestion, eye and skin
Acute Health Effects	Inhalation: May cause irritation to mucous membranes and respiratory tract. High concentration can cause central nervous system depression, which can lead

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	to loss of concentration, impaired judgement and if exposure is prolonged, unconsciousness.
Ingestion:	Harmful if swallowed. Ingestion of large amounts can cause headache, nausea, motor weakness and incoordination. Aspiration into lungs while vomiting can cause chemical pneumonitis or other lung damage.
Eye:	Can cause eye irritation.
Skin:	Can cause skin irritation.
Chronic Health Effects	Prolonged eye contact can cause eye damage. Prolonged skin contact may cause skin sensitisation and defatting of skin, which could lead to secondary dermatitis.
Existing Conditions Aggravated by Exposure	No information available.
Carcinogenicity	This product does NOT contain any IARC listed chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxicity and Mobility	Aquatic Organisms: LC ₅₀ 48hr (daphnia) = 0.046 mg/L (bromoxynil octanoate) LC ₅₀ 96hr (rainbow trout) = 0.041 mg/L (bromoxynil octanoate) Bromoxynil is very highly toxic to moderately toxic to freshwater fish. Bromoxynil is moderately toxic to birds. Bromoxynil has a low persistence in soil. In sandy soil, the half-life is about 10 days.
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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 regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information.

14. TRANSPORT INFORMATION

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail(ADG7).
Not subject to the ADG Code when transported by Road or Rail in containers up to 500L or kg. (ADG7, Special Provision AU01).

UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(contains bromoxynil)
Dangerous Goods Class	9
Subsidiary Risk	Not applicable
Hazchem Code	3Z
Packing Group	III
Special Provisions	179, 274, 331, 335, AU01
Limited Quantities	5L
Packagings & IBCs – Packing instruction	P001, IBC03, LP01
Packaging & IBCs – Special Packing Provisions	PP1
Portable Tanks & Bulk Containers – Instructions	T4
Portable Tanks & Bulk Containers – Special Provisions	TP1,TP29

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15. REGULATORY INFORMATION

Bromoxynil and liquid hydrocarbon are listed in the Australian Inventory of Chemical Substances (AICS).

SUSDP Classification: 6

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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