

WELLFARM EPOXICONAZOLE 125 SC FUNGICIDE

APVMA Product No: 70300**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 EPOXICONAZOLE 125 SC FUNGICIDE
Product Type: Group 3 Fungicide
Formulation Type: Suspension Concentrate
Product Use: Agricultural Fungicide

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient (common name) | CAS Number | Proportion |
|--|-------------|------------|
| Epoxiconazole | 106325-08-0 | 125 g/L |
| Alkoxylated fatty alcohol | 68002-96-0 | 10-30% |
| Liquid hydrocarbon | 64742-94-5 | 10-30 |
| Ingredients deemed not to be hazardous | proprietary | 30-60% |
| Water | 7732-18-5 | To 100% |

3. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

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

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|----------------------|--|
| Hazards | Xn - Harmful N - Dangerous for the Environment |
| Risk Phrases | R40 - Limited evidence of a carcinogenic effect. R51 - 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 Phrase | S2 - Keep out of reach of children. S13 - Keep away from food, drink and animal feeding stuffs. S36/37 - Wear suitable protective clothing and gloves. S46 - If swallowed, seek medical advice immediately and show this container or label. |

MATERIAL SAFETY DATA SHEET

S53 - Avoid exposure-obtain special instructions before use.
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.

4. FIRST AID MEASURES

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| Inhalation | If inhaled remove victim to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Seek medical attention if symptoms persist. |
| Ingestion | If swallowed, do not induce vomiting. Immediately rinse mouth with water. 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.

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| Suitable Extinguishing Media | Water spray, foam, carbon dioxide or dry chemical. |
| Hazardous Combustion Products | Oxides of carbon and nitrogen, hydrogen chloride and hydrogen fluoride. |
| Firefighting Equipment | Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. |
| Unusual Fire or Explosion Hazards | Cool containers / tanks with water spray if exposed to fire. |
| Hazchem Code | 3Z |

6. ACCIDENTAL RELEASE MEASURES

| | |
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| Spills | In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing and eye/face protection. Evacuate all personnel from affected area. Provide adequate ventilation. Do not breathe vapours. Stop leak if safe to do so, and contain spill. Absorb onto clay, sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling and dispose of promptly. |
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7. HANDLING AND STORAGE

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| Handling | Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. 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. |
|-----------------|--|

MATERIAL SAFETY DATA SHEET

Storage

Store in the tightly sealed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Do not store with seed, animal food or foodstuffs. Keep away from strong oxidising agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)

Alkoxylated fatty alcohol:

TWA: - ppm /100 mg/m³

STEL: - ppm / - mg/m³

STEL: - ppm / - mg/m³

Total hydrocarbon:

TWA: 15 ppm /- mg/m³

STEL: - ppm / - mg/m³

Engineering Controls

Handle in well ventilated areas. Generally natural ventilation is adequate. However make sure that the work environment remains clean and that vapours and mists are minimised.

Respiratory Protection

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

Clear beige liquid

Odour

Slight aromatic odour

Solubility in water

Dispersible

pH(7% w/w solution)

No information available

Boiling Point

No information available

Freezing Point

No information available

Vapour Pressure

<0.01 mPa @ 20°C (epoxiconazole)

Vapour Density (Air = 1)

No information available

Specific Gravity

1.02 – 1.08

Flash Point

23-25°C

Lower Flammability Limit

No information available

Upper Flammability Limit

No information available

Volatile Component

50%

Auto-ignition Temperature

420°C

Octanol/Water Partition Coefficient

Kow Log P is 3.44 (pH 7) for epoxiconazole

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of use.

Incompatible Materials

Strong oxidising agents.

Hazardous Decomposition products

Oxides of carbon.

Hazardous Polymerization

Will not occur.

Conditions to Avoid

No information available.

11. TOXICOLOGICAL INFORMATION

MATERIAL SAFETY DATA SHEET

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| Toxicity | Epoxiconazole: Acute oral LD50 (rat) = 4120 mg/kg Dermal LD50 (rabbit) > 5000mg/kg Acute inhalation LC50 (rat) = 5 mg/L/4 hour Repeated dose toxicity caused reduced body weight gain, endocrine disruption (adrenal, ovary and pituitary), developmental and maternal toxicity and liver changes - hepatocellular tumors in mice and rats. Likely to be carcinogenic to humans. Reproductive Effects: Evidence of reproductive toxicity. Teratogenic Effects: Evidence of teratogenic effects. Mutagenic Effects: No evidence of mutagenic effects. Carcinogenic Effects: Evidence of carcinogenic effects. |
| Routes of Exposure | Inhalation, ingestion, eye and skin |
| Acute Health Effects | Inhalation: Breathing in high concentrations of vapours or aerosols of this material may cause headache, nausea and dizziness. Ingestion: Harmful in case of ingestion. Eye: This product is an eye irritant. Symptoms may include stinging and reddening of eyes. Skin: May cause skin irritation. |
| Chronic Health Effects | No information available. |
| Existing Conditions | No information available. |
| Aggravated by Exposure | |
| Carcinogenicity | No (IARC) |

12. ECOLOGICAL INFORMATION

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| Ecotoxicity | Birds: Epoxiconazole is practically non-toxic to birds. Oral LD50 (Bobwhite quail) > 2000 mg/kg Aquatic Organisms: Epoxiconazole is toxic to fish and other freshwater organisms. LC50 96hr (Rainbow trout) = 0.5 mg/L EC50 48hr (Water flea) = 1.8 mg/L Epoxiconazole is practically non-toxic to bees. |
| Mobility | Epoxiconazole is biodegradable. It will not accumulate in the soil or water or cause long term problems. |

13. DISPOSAL CONSIDERATIONS

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| 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).

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| UN Number | 3082 |
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Dangerous Goods Class | 9 |
| Subsidiary Risk | Not applicable |
| Hazchem Code | 3Z |
| Packing Group | III |

MATERIAL SAFETY DATA SHEET

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|---|--------------------------|
| Special Provisions | 179, 274, 331, 335, AU01 |
| Limited Quantities | 5L |
| Packagings & IBCs - Packing Instruction | P001, IBC03, LP01 |
| Packagings & IBCs - Special Packing Provisions | PP1 |
| Portable Tanks & Bulk Containers - Instructions | T4 |
| Portable Tanks & Bulk Containers - Special Provisions | TP1, TP29 |

15. REGULATORY INFORMATION

Epoxiconazole, alkoxylated fatty alcohol and liquid hydrocarbon are 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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