



SAFETY DATA SHEET RADIAL FUNGICIDE

Section 1: Identification of the Substance and Supplier

Product name: RADIAL FUNGICIDE
Chemical name of active Azoxystrobin: C22H17N3O5
Epoxiconazole: C17H13ClFN3O
Ingredient(s):
Supplier: ADAMA New Zealand Limited
Level1/19 Elms Street, Wakatu Estate, Stoke, Nelson, New Zealand
P.O. Box 1799, Nelson New Zealand.
Telephone +64 3 543 8275 Fax: +64 3 543 8274
Emergency Telephone: 0800 POISON (0800 764 766)

Section 2: Hazards Identification

HAZARD CLASSIFICATIONS: 3.1D, 6.1E, 6.3B, 6.4A, 6.5B, 6.7B, 6.8B, 6.9B, 9.1B, 9.3C



WARNING

Combustible liquid: Keep away from flames and hot surfaces. In case of fire: Evacuate area.
May be harmful if swallowed.
Causes eye irritation and mild skin irritation. May cause an allergic skin reaction.
May cause reproductive/development damage from repeated oral exposure at high doses.
May cause damage to organs from repeated oral exposure at high doses.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates

Section 3. Composition/Information on Ingredients

Information on hazardous ingredients *

Common name	CAS No.	%
Azoxystrobin	131860-33-8	75g/l
Epoxiconazole	133855-98-8	75g/l
Colophony	8052-10-6	10%
Tetrahydro-2-furymethanol	97-99-4	10%

- **Occupational Exposure Limit(s), if available, are listed in section 8**

Section 4: First-Aid Measures

Swallowed: Do NOT induce vomiting. Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical assistance.
Eye: Causes eye irritation. Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Seek medical assistance.
Skin: Causes mild skin irritation. Many cause an allergic skin reaction. Remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs seek medical advice.
Inhaled: Move affected person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.



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Section 5: Fire-Fighting Measures

Suitable extinguishing media:	For small fire: Carbon dioxide, dry chemical For large fire: water spray, water fog, foam
Specific hazards:	Thermal decomposition generates: Carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.
Protection against fire:	Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.
Special procedures:	Exercise caution when fighting any chemical fire. Dike fire control water for later disposal.
WARNING:	Combustible liquid. Keep away from flames and hot surfaces. In case of fire: Evacuate area.
Hazchem code:	2X

Section 6: Accidental Release Measures

Personal Precautions:	Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.
Environmental Precautions:	Dispose of this material and its container at hazardous or special waste collection point if the product has contaminated surface water, inform the appropriate authorities.
Procedure for Spill:	<ol style="list-style-type: none">(1) Keep all bystanders away.(2) Wear full length clothing and PVC gloves.(3) Reposition any leaking containers so as to minimise further leakage.(4) Dam and absorb spill with an absorbent material (e.g. sand, soil, diatomaceous earth or vermiculite).(5) Shovel the absorbed spill into drums.(6) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.
Procedure for Disposal:	Disposal of the absorbed material will depend upon the extent of the spill. Contaminated material must be disposed of in accordance with all local authority requirements. <ul style="list-style-type: none">• For quantities up to 50 L of product bury in a secure approved landfill site.• For quantities greater than 50 L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established.

Section 7: Handling and Storage

Handling:	Keep out of reach of children. Do not eat, drink or smoke while using. Do not inhale spray mist. When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.
Storage:	Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed, seeds, fertilisers or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications storage of RADIAL must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations.



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Section 8: Exposure Controls/Personal Protection

TWA:	(USA) Epoxiconazole, Azoxystrobin: Not established
Respiratory system:	During spraying wear suitable respiratory equipment.
Skin and body:	When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.
Eyes:	Safety goggles or face shield.
Other:	When using, do not eat, drink or smoke. Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Wash clothing before re-using. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Clear, brownish
Odour:	Characteristic
pH value:	1% : 4-8
Flash Point:	Not applicable (solid)
Density [g/cm³]	1.1 – 1.20

Section 10: Stability and Reactivity

Stability of the substance:	Stable under standard conditions
Conditions to avoid:	Direct sunlight, sources of heat, open flame.
Hazardous Decomposition Products:	Thermal decomposition may generate: Carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

Section 11: Toxicological Information

Toxicity Information:	No toxicological information is known on the product.
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Section 12: Ecological Information

Ecological effects information: No ecological information is known on the product.

Section 13: Disposal Considerations

Methods of disposal:	Container Disposal - Triple rinse empty container and add rinsate to spray tank. Burn in an appropriate incinerator if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle. Avoid contamination of any water supply with product or empty container.
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Section 14: Transport Information

UN Number 3082
Proper shipping name Environmentally hazardous substance, Liquid, N.O.S, (AZOXYSTROBIN & EPOXICONAZOLE)
DG Class 9
Packing Group III
Hazchem Code 2X
Marine Pollutant YES
IER Guide page 47

National transport regulations: Do not carry this product on a passenger service vehicle.

Segregation: Check the land transport Rule Dangerous Goods 1999, Rule 45001 for additional information. Sea transport may require additional segregation.

Refer: NZS5433; Sea Segregation, or the International Maritime Dangerous Goods Code for details.

Section 15: Regulatory Information

New Zealand Regulatory Information:

NZFSA Approval: Registered pursuant to the ACVM Act 1997, No. P8657
See www.foodsafety.govt.nz/acvm for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR100719
See www.epa.govt.nz for approval controls

HAZARD CLASSIFICATIONS: 3.1D, 6.1E, 6.3B, 6.4A, 6.5B, 6.7B, 6.8B, 6.9B, 9.1B, 9.3C



Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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