



MATERIAL SAFETY DATA SHEET

Rygel Flutriafol 250 SC Fungicide

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Supplier: Profeng Australia Pty Ltd
A.C.N.: 156 055 533
Street Address: 103 Ordish Road, Dandenong South, Vic 3175
Telephone: (03) 9768 2803
Facsimile: (03) 9768 2804
Email: info@profeng.com.au

Emergency telephone number: National Poisons Information Centre:
Phone Australia 13 11 26.

Product name: Rygel Flutriafol 250 SC Fungicide
Recommended Use: For the control of certain fungal disease on wheat, barley and canola when mixed with fertiliser or applied as a foliar spray as per the Directions for Use table.

2. HAZARDS IDENTIFICATION


Statement of Hazardous Nature

This product is classified as: Xn, Harmful. N, Dangerous to the environment. Hazardous according to the criteria of SWA. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

Risk Phrases R52, R57, R20/22. Harmful to aquatic organisms. Toxic to bees. Harmful by inhalation and if swallowed.

Safety Phrases S20, S23, S26, S28, S36, S38, S45, S24/25. When using, do not eat or drink. Do not breathe spray mists. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show this SDS where possible). Avoid contact with skin and eyes.

SUSMP Classification S6

ADG Classification	None allocated. Not a Dangerous Good under the ADG Code.
UN Number	None allocated
Pictogram	
Signal word	Warning
Hazard statement(s)	
H302	Harmful if swallowed
H332	Harmful if inhaled
H402	Harmful to aquatic life
Precautionary statement(s)	
P262	Do not get in eyes, on skin, or on clothing
P402+P404	Store in a dry place. Store in a closed container
P501	Dispose of contents/ container to an approved waste disposal plant

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Conc. %
Flutriafol	76674-21-0	25% w/v
Other ingredients (considered non-hazardous)	Balance	

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

4. FIRST AID MEASURES

Skin contact:	Remove contaminated clothing. Wash thorough under running water using a mild soap. Seek medical advice if irritation, reddening and/or other damage occurs.
Eye contact:	Flush with running water until product is removed (at least 5 mins). Seek medical advice.
Ingestion:	DO NOT induce vomiting. Rinse any residual product from mouth and lips. Give water to drink, and seek medical help immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Product is non-combustible. If the water in the formulation is evaporated by prolonged



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heating, the residue will burn. Any extinguishing media should be suitable.

Unsuitable extinguishing media: Non Known

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

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. 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/PERSONAL PROTECTION

National Exposure Standards

No none established

Engineering measures

Ensure adequate ventilation. Supplement natural ventilation if necessary

Personal protective equipment

Eye/face protection: Goggles or glasses to AS1366, 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: Viscous yellow liquid suspension



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Odour	Faint
pH	Not available
Vapour pressure	2.37 kPa at 20°C (water vapour pressure)
Vapour Density	No data
Water Solubility	Completely soluble in water
Autoignition temperature	Does not burn

10. STABILITY AND REACTIVITY

Chemical Stability

Product should be stable in storage for at least 3 years. Some setting might occur, and containers should be agitated at least once every 12 months to resuspend any sediment.

Conditions to avoid

Do not store outside the temperature range 5 to 25°C

Materials to avoid

Strong acids, bases, or oxidizing agents

Hazardous decomposition products

Carbon dioxide and monoxide, Nitrogen oxides, fluorides including hydrofluoric acid may be produced under certain conditions of combustion.

Hazardous reactions

Not likely to polymerise.

11. TOXICOLOGICAL INFORMATION

Data is not available for the formulated product. For flutriafol the data is:

Acute toxicity Oral: 1,140 mg/ka, dermal >1,000 mg/ka, (rat).

Chronic toxicity: NOEL 20mg/kg rats and 5 mg/kg dogs in 90 day feeding trials.

Possible routes of exposure: The most likely exposure is via spray mist. Accidental ingestion of product is also possible.

12. ECOLOGICAL INFORMATION

Flutriafol:

Birds: LD₅₀ female mallard: >5000mg/kg

Fish: LC₅₀ rainbow trout: 61mg/L

LC₅₀ mirror carp: 77mg/L

Bees: LD₅₀ >5µg/bee

Daphnia: EC₅₀ 78mg/L

Flutriafol has no effect on microbial populations, or on the carbon or nitrogen transformations occurring in the soil.



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13. DISPOSAL CONSIDERATIONS

Disposal: Special help is available for the disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/> where you will find contact details for your area.

14. TRANSPORT INFORMATION

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Flutriafol, is mentioned in the SUSMP.

16. OTHER INFORMATION

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