



MATERIAL SAFETY DATA SHEET

Rygel Penatra Organosilicone Penetrant

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Supplier: Profeng Australia Pty Ltdn
ACN: 156 055 533
Street Address: 103 Ordish Road, Dandenong South, Vic 3175
Telephone: (03) 9768 2803
Facsimile: (03) 9768 2804

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

Product Name: Rygel Penatra Organosilicone
Product Use: A tank mix adjuvant to assist the spreading and penetration of pesticides.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Conc.
Polyether modified polysiloxane	134180-76-0	1020g/L

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

3. HAZARDS IDENTIFICATION

Based on available information, classified as hazardous according to health criteria of NOHSC Australia.

Risk Phrases

R41 Risk of serious eye damage
R22 Harmful by inhalation

Safety phrases

S2 Keep out of reach of children
S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Not classified as Dangerous Goods by the criteria of the Australia



Dangerous Goods Code (ADG Code) for transport by Road and Rail.

4. FIRST AID MEASURES

- Ingestion:** Give plenty of water or milk to drink and do not induce vomiting. Seek medical assistance.
- Eye contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Seek immediate medical assistance.
- Skin contact:** Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical advice.
- Inhalation:** Remove victim from exposure. Seek medical assistance if symptoms persist.
- Notes to physician:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water fog, dry chemical, foam, carbon dioxide, BFC.

Hazards from combustion products

Combustible liquid. Product of combustion may include carbon dioxide, carbon monoxide, smoke and fumes.

Precautions for Firefighters and Special Protective Equipment

Firefighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Wash area down thoroughly with water or cover with absorbent (soil, sand, vermiculite). Collect and seal in properly labeled drums for disposal. Wash area down effected area with excess water. Spills are slippery. If contamination of sewers or waterways has occurred advise the local emergency services.

7. HANDLING AND STORAGE

Store in closed original container in a cool, dry place and out of direct sunlight. Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

Engineering Controls: Use good occupational work practice with good natural or



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mechanically-aided ventilation.

Personal protection equipment: Wear overalls. Goggles and impervious gloves (nitrile or neoprene rubber). 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

Form/Colour:	yellow liquid, polyether odour.
Solubility:	soluble in water
Specific Gravity (15°C)	1.02 approx.
Flash point:	>100 °C
pH (1% aq):	6-8

10. STABILITY AND REACTIVITY

Stability: Avoid strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with the Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Acute Effects:

Ingestion: May be slightly toxic. Ingestion may cause nausea, vomiting and diarrhea.

Eye contact: Causes severe irritation and swelling of the conjunctive and cornea burns.

Skin contact: May lead to irritation and deflating on repeated or prolonged exposure.

Inhalation: May be slightly toxic. May produce respiratory irritation.

Long Term Effects: No information available for products.

Acute toxicology:

No LD₅₀ data available for product. Based on knowledge of related constituents:

Acute oral LD₅₀ (rat) 3,200 mg/kg; Acute Dermal LD₅₀ (rat) 1,500 mg/kg

Acute inhalation LD₅₀ (rat, 4h) 1.08mg/L

12. ECOLOGICAL INFORMATION

Aquatic toxicology LC₅₀ (rainbow trout): 2.1mg/L.

Generally regarded as hard when tested for biodegradability. Do not contaminate streams, rivers or waterways with the chemical used container.

13. DISPOSAL CONSIDERATIONS

Triple or, preferably, pressure rinse containers before disposal. If recycling, replace cap and return containers to recycler or designed collection point. If not recycling, break, crush, puncture and bury empty containers in local authority landfill. IF not available bury the



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containers below 500 mm in a disposal pit specifically marked and setup for this purpose clear of waterways, vegetation and roots.

Empty containers and product should not be burnt.

Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

Road and Rail Transport:

Not classified as Dangerous Goods by the criteria of the Australia Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

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Based on available information, not classified as hazardous according to health criteria of NOHSC Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): None Allocated.

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.