

Rygel ProBuffer 700 Surfactant

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Supplier: Rygel Australia Pty Ltd
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Emergency telephone number: National Poisons Information Centre: Phone Australia 13 11 26.

Product name: Rygel ProBuffer 700 Surfactant
Product Use: A tank mix additive for pesticide sprays to prevent active hydrolysis by acidifying alkaline water and to assist the penetration of certain herbicides.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS NO.	Proportion
soyal phospholipids		350 g/L
propionic acid	79-09-4	350 g/L
proprietary surfactants		10%
water	7732-18-5	19%

3. HAZARDS IDENTIFICATION

Causes burns.
Risk of serious damage to eyes.
Other Information Poisons Schedule S5

4. FIRST AID MEASURES

Ingestion: Wash out mouth immediately. Give plenty of water or milk of magnesia to drink and do not induce vomiting. Seek medical assistance.
Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. In all cases of eye contamination it is advisable to 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

Not combustible however after evaporation of aqueous component residual material may burn.
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 labelled 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.

MATERIAL SAFETY DATA SHEET

7. HANDLING AND STORAGE

Precautions for Safe Storage: Store in closed original container in a well ventilated place, as cool as possible. Triple rinse containers before disposal and add rinsings to tank.

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 practise with adequate ventilation.

Personal protection equipment: Wear overalls, goggles and impervious gloves.

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 / Odour:	brown coloured liquid
Solubility:	dispersible in water
Specific Gravity (15°C):	1.02 approx.
Flashpoint:	>50°C
pH (1% aq):	3-4

10. STABILITY AND REACTIVITY

Stability: Stable under anticipated conditions of storage and handling. Avoid strong alkali agents.

11. TOXICOLOGICAL INFORMATION

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

Acute Effects

Ingestion: May be harmful if swallowed. Short term exposure by ingestion may cause gastrointestinal irritation and nausea.

Eye contact: Moderate – severe irritant, Risk of serious damage to eyes.

Skin contact: Moderate – severe irritant, can cause burns in concentrated form.

Inhalation: Inhalation of mists may result in headaches, dizziness and possible nausea and irritation to the upper respiratory tract...

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity

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

Acute oral LD ₅₀ (rat)	>3,000 mg/kg
Acute Dermal (mouse)	>3,000 mg/kg

12. ECOLOGICAL INFORMATION

Additional information:

Rapidly biodegradable >70% DOC

Aquatic toxicity (*Leuciscus idus*) >1,500 mg/L/ 48 hr

Moderately toxic to aquatic life. Prevent discharge to natural waterways. Ensure adequate dilution to sewer.

13. DISPOSAL CONSIDERATIONS

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

MATERIAL SAFETY DATA SHEET

14. TRANSPORT INFORMATION

U.N. Number None Allocated

DG Class None Allocated

Classified as hazardous according to criteria of NOHSC

Hazchem Code None Allocated

Packing Group None Allocated

Storage and Transport Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

Risk Phrase R34 Causes burns.

R41 Risk of serious damage to eyes.

Safety Phrase S1/2 Keep locked up and out of reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S39 Wear eye/face protection.

S45 In case of accident or if you feel unwell seek medical advice immediately

Poisons Schedule S5

Packaging & Labelling

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Hazard Category Corrosive

AICS (Australia) All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

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

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National Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia).