

Rygel GLY WETTER PLUS Surfactant

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Rygel Australia Pty Ltd
ACN: 106 839 007
Street Address: 103 Ordish Road, Dandenong South, Vic 3175
Telephone: (03) 9768 2803
Facsimile: (03) 9768 2804
Emergency telephone number: National Poisons Information Centre: Dial 13 1126.

Product name: Rygel Gly Wetter Plus Surfactant
Product Use: Wetting and spreading agent for Use with Rygel ClearUp 450 Glyphosate Herbicide and with Rygel ClearUp 840 Dri-Flo Herbicide
UN No: None allocated
Hazchem Code: None allocated
Dangerous Goods Class: None allocated
Sub Risk Class: None allocated
Packaging Group: None allocated
Poison Schedule: Not scheduled
Chemical Family: Fatty amine ethoxylate.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS NO.	Proportion
tallow amine ethoxylate	61791-26-2	90%
2-propylene glycol 1methyl ether	107-98-2	10%

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

3. HAZARDS IDENTIFICATION

Risk Phrases: R36/38. Irritating to eyes and skin.

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

4. FIRST AID MEASURES

Eyebaths or eyewash stations and safety deluge showers should be provided where this product is being used.

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 11 26 from anywhere in Australia.

Swallowed: Do NOT induce vomiting. Give a glass of water.

Eyes: If this product comes into contact with eyes, hold open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.

Skin: If product gets on skin, thoroughly wash contacted areas. No further measures should normally be required unless irritation is noticed. If irritation persists, seek medical attention. Repeated or prolonged contact may cause allergic skin reaction in some people.

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Inhalation: No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically. Note the nature of this product.

5. FIRE-FIGHTING MEASURES

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Flashpoint: Not flammable.
Flammability limits: Not applicable.
Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide and/or Class B extinguishing agent

Extinguishing Media to Avoid:

Special Fire Fighting procedures

Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

Unusual Fire & Explosion Hazards: None

Stability: This product is unlikely to spontaneously decompose.

Hazardous Polymerisation: Will not occur.

Decomposition Products:

Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen, and under some circumstances, oxides of nitrogen. Water.

Materials to avoid: strong oxidising agents.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedure: 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.

7. HANDLING AND STORAGE

No special storage and transport requirements. This product has no UN classification. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid".

Avoid contamination of fertilizers, spray materials, seed, feed, foodstuff or water by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

No exposure limits have been established for this product.

Engineering Controls:

Use with adequate ventilation

Use local mechanical exhaust ventilation at sources of air contamination such as open process

Personal protection:

Avoid contact with eyes, skin and clothing.

Avoid breathing spray mist.

Respiratory Protection: Avoid breathing mist. Respiratory protection should not be required for normal use/handling.

Protective Gloves: Impermeable protective gloves should be worn when you are using this product, to prevent irritation.

Eye Protection: Protective eyewear should be worn to prevent eye contact during mixing/pouring operations or other activities in which eye contact with undiluted material are likely to occur. Have eye lushing equipment available.

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Clothing: Clean overalls or protective clothing should be worn, preferably with an apron. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale amber liquid
Odour:	Mild "soapy" odour
Melting/softening point:	No specific data. Liquid at normal temperatures.
Boiling point	No data
Vapour pressure:	No data
Volatile materials:	No specific data. Expected to be low at 100°C.
Flashpoint:	> 70°C
Specific gravity:	1.04 approx
Solubility in water:	Soluble
Corrosiveness:	Not corrosive

10. STABILITY AND REACTIVITY

Stability: Stable under anticipated conditions of storage and handling.

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

Swallowed:	May be harmful if swallowed. May cause stomach and intestinal irritation, nausea, vomiting and diarrhea.
Eye:	Contact with eyes can produce severe irritation, burns of the cornea, redness and tearing.
Skin:	Prolonged skin contact may lead to defeating of the skin, resulting in irritation and soreness. Because of its' irritating and defatting properties, this material may aggravate existing dermatitis. Repeated contact may cause an allergic skin reaction.
Inhalation:	Data indicates that this product may be irritating if inhaled. May lead to minor discomfort, which should quickly disappear once exposure has ceased.

12. ECOLOGICAL INFORMATION

96-hr LC 50 Rainbow trout	4.2mg/L	– Moderately toxic
96-hr LC 50 Bluegill sunfish	1.3mg/L	– Moderately toxic
46-hr LC 50 Daphnia magna	2.0mg/L	– Moderately toxic

Additional information:

Although readily biodegradable, contamination of dams, rivers and waterways with the chemical or used containers should be avoided. Do not contaminate streams, rivers or waterways with the chemical used container.

13. DISPOSAL CONSIDERATIONS

In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective clothing including face mask, face shield and gauntlets. All skin areas should be covered. Thoroughly launder protective clothing before storage or re-use. See above under Personal Protection regarding Australian Standards relating to personal protective equipment.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Can be slippery on floors, especially when wet. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of

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only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian 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.

STORAGE & TRANSPORT

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15. REGULATORY INFORMATION

Warning Statements:

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Safety Phrases are: S24/25. Avoid contact with skin and eyes.

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. **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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Please read all labels carefully before using product.