

# Rygel SONAR

## Non-Ionic 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 Sonar Non-Ionic Surfactant  
**Product Use:** Surfactant used in agricultural applications to improve wetting of leaves and penetration of glyphosate. Used with glyphosate products.  
**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	50%
Alcohol alkoxyate	68551-13-3	50%

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.

If 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.

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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.

<b>Flashpoint:</b>	Not flammable.
<b>Flammability limits:</b>	Not applicable. This product is not flammable.
<b>Extinguishing Media:</b>	Carbon dioxide, dry chemical, foam, water fog.
<b>Extinguishing Media to Avoid:</b>	Water jets.

### 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:

Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces.

**Stability:** This product is unlikely to spontaneously decompose.

**Polymerisation:** This product is unlikely to spontaneously polymerise.

### 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".

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

### Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high; you are advised to modify the process or environment to reduce the problem.

### Personal protection equipment:

Respiratory Protection: The use of a dust or vapour mask is suggested when this product is being used, especially if in confined or dusty spaces. For help in selecting suitable equipment, consult AS/NZS 1715.

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**Protective Gloves:** Impermeable protective gloves should be worn when you are using this product, to prevent irritation. For help in selecting suitable equipment, consult AS 2161.

**Eye Protection:** Protective eyewear should be worn when using this product. Eye contact may prove painful and dangerous and should be avoided. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

**Clothing:** Clean overalls or protective clothing should be worn, preferably with an apron. Consult AS2919 for advice on Industrial Clothing.

**Safety Boots:** Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

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:	Clear, viscous 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:	Not flammable
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:	Data suggests that this product should present no significant problems to typical persons in normal use.
Eye:	This product is irritating to the eyes. It will cause discomfort such as stinging pain, watering and redness of the eyes. Effects may last after exposure has ceased, and in severe exposure, long lasting or even permanent effects such as corneal damage can occur.
Skin:	This product is mildly irritating to skin. However, it is unlikely to cause more than minor discomfort or effects such as itchiness, occasional small blisters or slight skin reddening.
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

No information available for product.

### 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.

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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 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

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".

## 15. REGULATORY INFORMATION

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.