

Rygel Flush-Out

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 Australia 13 11 26.

Product name: Rygel Flush-Out
Product Use: For decontaminating spraying equipment after using pesticides.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS NO.	Proportion
Potassium hydroxide	1310-58-3	150 g/L
Available chlorine, as sodium hypochlorite	7681-562-9	40 g/L

3. HAZARDS IDENTIFICATION

UN No.	1814	HAZCHEM	2R
Pack Group	II	EPG	8A1
Class	8 Corrosive Substance	Poisons Schedule	6

Classified as Hazardous according to health criteria of NOHSC Australia.
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
Listed in the *Standard for Uniform Scheduling of Drugs and Poisons (SUSDP)* as S6 (POISON)

4. FIRST AID MEASURES

Ingestion: If swallowed do NOT induce vomiting. Wash out mouth with water, give 300 mL warm water to drink and urgently seek medical advice from a doctor or Poison Information Centre (13 11 26).

Eye contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by Poison Information Centre (13 11 26) or a doctor, or for at least 15 minutes.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before reuse. If irritation persists seek medical advice.

Inhalation: Remove victim from exposure. Seek medical assistance if symptoms persist.

Notes to physician
Treat symptomatically. DO NOT use baking soda or acidic antidotes. Sodium thiosulphate reduces hypochlorite to non-toxic products.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water fog, dry chemical, foam, carbon dioxide, BFC.
Hazards from combustion products: Not flammable. Decomposes on heating emitting fumes of chlorine, which may rupture, or explosion of containers.
Precautions for Firefighters and Special Protective Equipment: Firefighters to wear self-contained breathing apparatus if risk of exposure to products of thermal decomposition.
HAZCHEM: 2R

MATERIAL SAFETY DATA SHEET

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. Avoid contact with acids, as this will release toxic chlorine gas. Neutralise with sodium thiosulfate or sodium metabisulfite. If contamination of sewers or waterways has occurred advise the local emergency services.

7. HANDLING AND STORAGE

NEVER ADD WATER TO THE PRODUCT - ALWAYS ADD THE PRODUCT TO WATER
Keep out of reach of children. Store in the original container in a well-ventilated place, as cool as possible. Do not store for prolonged periods in direct sunlight.

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). For ingredients potassium hydroxide 2 mg/m³.

Engineering Controls

Use good occupational work practice with good natural or mechanically forced ventilation.

Personal protection equipment

To avoid eye contact and repeated or prolonged skin contact wear overalls, goggles and impervious gloves. Wash contaminated clothing and other protective equipment before storage or re-use. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour:	Light yellow liquid with chlorine odour
Solubility:	Miscible in water in all proportions
Specific Gravity (20°C):	1.15 approx.
pH:	13

10. STABILITY AND REACTIVITY

Chemical Stability

High temperatures or contact with metals will cause decay and oxygen release.

Incompatible materials

Strong acids, metals, amines, ammonia, ammonium salts, reducing agents

Hazardous reactions

High temperatures or contact with metals will cause decay and oxygen release. Reacts with acidic materials to release toxic chlorine gas.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion: Oral toxicity is low, but damage to mouth and gullet may occur.

Eye contact: Serious and permanent damage may result.

Skin contact: Corrosive to skin, produces burns and ulceration.

Inhalation: Prolonged inhalation of mists may produce respiratory irritation and possible harmful corrosive effects.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity

Acute oral LD50 (mouse) > 1,500 mg/kg

12. ECOLOGICAL INFORMATION

Do not contaminate waterways with large concentrations, as this may be injurious to aquatic life.

MATERIAL SAFETY DATA SHEET

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.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Class 8 (Corrosive)

Packing Group II

EPG 8A1

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class 8 (Corrosive)

Packing Group II

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class 8 (Corrosive)

Packing Group II

15. REGULATORY INFORMATION

Classified as hazardous according to health criteria of NOHSC Australia.

Risk Phrases

R35 Causes severe burns

Safety Phrases

S2 Keep out of reach of children

S13 Keep away from food, drink and animal feeding stuffs

S25 Avoid contact with eyes

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information

Centre immediately (show the label where possible).

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Listed in the *Standard for Uniform Scheduling of Drugs and Poisons (SUSDP)* as S6 (POISON)

Poisons Schedule (Aust)/Toxic Substance (NZ): 6

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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