Date	May19
Issue	003

Safety Data Sheet

NON-Hazardous Substance, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **PRESCHEM No-Rot Gel Industrial**

Recommended use: A diffusible wood preservative to protect timber structures from wood decay.

Supplier: Preschem Pty Ltd
ACN: 057 661 319
Street Address: 147-149 Herald Street
Cheltenham VIC 3192
Australia
Telephone: 03 9532 0679
Facsimile: 03 9532 1041
Telephone (International): +613 9532 0679
Fax (International): +613 9532 1041

Emergency telephone number: 1800 039 008
International emergency number: +61 1800 039 008
+61 1800 039 008

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.

Hazard Pictograms

DG Class: None allocated
Subsidiary Risk: None allocated
UN Number: None allocated)
HAZCHEM Code: None allocated
Poison Schedule: S5 (Australian SUSMP)

Hazard Statement(s):

H302: Harmful if swallowed.
H320: Causes eye irritation.
H316: Causes mild skin irritation.

Safety Phrase(s)
S20/21: When using, do not eat, drink or smoke.
S24/25: Avoid contact with skin and eyes.
S36/37: Wear suitable protective clothing and gloves.

P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331: IF SWALLOWED: Call a Doctor or Poison Information Centre on 13 11 26. Do not induce vomiting.
P302+352: IF ON SKIN: Wash with plenty of water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

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

Poisons Schedule (Aust): S5

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Disodium octaborate tetrahydrate	12008-41-2	30-60%
Benzalkonium Chloride	8001-54-5	<10%
Mono Ethylene Glycol	107-21-5	30-60%
Water	-	To 100%
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to a Doctor or Hospital.

Ingestion: Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek immediate medical advice.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Non–Flammable but is a combustible liquid.

Fire fighting further advice: On combustion may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code: Not applicable.

Suitable extinguishing media: Combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS
Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of fumes. Collect and recycle if possible, otherwise seal in properly labelled containers or drums for disposal.

LARGE SPILLS
Wear protective equipment to prevent skin and eye contamination and the inhalation of fumes. Work up wind or increase ventilation. Contain spill by absorbing with sand, earth or other absorbent material. Collect and seal waste in properly labelled containers or drums for disposal. Do not allow into drains or waterways. If contamination of sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact.

Storage: Store in a cool (less than 30^{o}C), dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10 and foodstuffs. Keep containers closed when not in use - check regularly for spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:
No value assigned for this specific material on the Hazardous Chemical Information System (HCIS).

However for:

	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m3	ppm	mg/m3	CATEGORY	
Mono Ethylene Glycol (vapour)	20	52	40	104	-	-
Mono Ethylene Glycol (Particle)	-	10	-	-	-	-

As published by the Hazardous Chemical Information System (HCIS).

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Natural ventilation should be adequate under normal use conditions.

Personal protection equipment: OVERALLS, SAFETY SHOES, IMPERVIOUS GLOVES.

Wear overalls, and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: PRESCHEM No Rot Gel Industrial – Clear/opaque, viscous liquid with mild sweet odour.

Solubility:	100% @ 20 ^{o}C
Specific Gravity (20 °C):	1.32
Relative Vapour Density (air=1):	Not Available
Vapour Pressure (20 °C):	0.008kPa
Flash Point (°C):	>111^{o}C
Flammability:	Combustible Liquid
Flammability Limits (%):	Not Available
Upper Explosive Limit:	Not Available
Lower Explosve Limit:	Not Avaialble
Autoignition Temperature (°C):	400^{o}C
Decomposition Temperature:	Not Available
Melting Point/Range (°C):	Not Applicable
Boiling Point/Range (°C):	>197 ^{o}C
pH (10% solution):	5.5

(Typical values only - consult specification sheet)

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Contact with water will result in the product deteriorating. Avoid shock, heat, sparks or naked flame and other ignition sources.

Incompatible Materials: Strong acids, alkalis and oxidising agents.

Hazardous decomposition products: No information Available.

Hazardous reactions: Contact with acids will result in the evolution of toxic gases.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Moderately toxic. Chronic symptoms or effects may arise if the product is mishandled and overexposure occurs.

Acute Effects

Inhalation: Low irritant. Over exposure to vapours/mists may result in respiratory irritation, nausea, and headache. Occupational exposure to quaternary ammonium compounds has been reported to cause asthma, although rare. Due to the low vapour pressure, an inhalation hazard is not anticipated

Skin contact: Repeated or prolonged skin contact will lead to irritation. Prolonged exposure may result in toxilogical effects through skin absorption.

Eye contact: Exposure to dust will cause eye irritation, however this is unlikely if the product is stored and handled as directed.

Ingestion: Harmful if swallowed. Ingestion can result in CNC depression resembling drunkenness. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. Chronic exposure or large doses may result in circulatory and respiratory collapse, liver and kidney damage, unconsciousness and convulsions.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity
No LD50 data available for the product. However, for the constituent:

Boron
Oral LD50 (rat): 2,000 mg/kg
ETHYLENE GLYCOL
Oral LD50 : 1650 mg/kg (cat)
BENZALKONIUM CHLORIDE
Oral LD50 (Ingestion): 240 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

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.

15. REGULATORY INFORMATION

Poisons Schedule (Aust): S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Literary reference

This Safety Data Sheet has been prepared Preschem Pty Ltd.

Issue Date: 28/05/2019/RB Supersedes Issue and Date: 002 - Aug16

Reasons for Issue: General revision.

This Safety Data sheet is valid for 5 years from the date of issue and may be withdrawn and revised any time prior to that date. Please ensure that you are using the latest issue.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Preschem Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.