



PEG 4000 SDS

Date	Mar24
Issue	006

SDS 15

NON-Hazardous Substance, NON-Dangerous Goods.

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Preschem PEG 4000**

Recommended use: To prevent unseasoned or machined timber from cracking and checking through moisture loss.

Supplier: Preschem Pty Ltd
ACN: 006 867 929
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Cheltenham 3192
Australia

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International emergency number: +613 5974 2792 OR +613 419 900 452

2. HAZARDS IDENTIFICATION

This material is not classified as hazardous according to health criteria of Safe Work Australia

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): None Allocated

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Polyethylene glycol	25322-68-3	100%
Total		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 or hair with running water. If irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

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.



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Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Combustible solid. On burning will emit toxic fumes, including those of oxides of carbon.

Fire fighting further advice: 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: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/Environmental precautions:

If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact and breathing in dust.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. 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, Exposure Standard(s) for particulates:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Nuisance dust:	-	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



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should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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.

Appropriate engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Keep containers closed when not in use. If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Personal protection equipment: OVERALLS, SAFETY SHOES, GLOVES, SAFETY GLASSES, DUST MASK.

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AN/NZS 1716. 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 PEG 4000 – white flakes with mild odour.

Molecular Formula: $(C_2H_4O)_n \cdot H_2O$ (average molecular weight = 4000)

Solubility: Soluble in water

Specific Gravity (20 °C): 1.217 @20°C

Relative Vapour Density (air=1): N Av

Vapour Pressure (20 °C): N Av

Flash Point (°C): >170 (Closed Cup)

Flammability Limits (%): N Av

Autoignition Temperature (°C): N Av

Melting Point/Range (°C): 55 (Pour Point)

Boiling Point/Range (°C): N Av

pH (5% aqueous solution): 4 – 7

Viscosity: 130-180 cS @99°C

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

10. STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid dust generation.

Incompatible materials: Incompatible with strong oxidising agents.

Hazardous decomposition products: Oxides of carbon



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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 or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Breathing in dust may result in respiratory irritation.

Skin contact: Contact with skin may result in irritation.

Eye contact: May be an eye irritant. Exposure to dust will cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Long Term Effects: No information available for product.

Acute toxicity / Chronic toxicity

Oral LD50 (rat): 50,000 mg/kg

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to State/Territory Land Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

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.



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15. REGULATORY INFORMATION

Classification: Based on available information, not classified as hazardous according to criteria of Safe Work Australia

Poisons Schedule (Aust): None allocated

This material is listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Australian Standards References:

- AS/NZS 1336 Recommended Practices for Occupational Eye Protection.
- AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.
- AS/NZS 1716 Respiratory Protective Devices.
- AS 1940 The Storage and Handling of Flammable and Combustible Liquids.
- AS 2161 Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).

Preschem Pty Ltd SDS Contact Point:

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Issue Date: 006/13/03/2024/RB

Supersedes Issue Date: 005/09/03/2016/RB

This Safety Data Sheet has been prepared by Preschem Pty Ltd.

Reasons for Issue: 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.