

PROCOOL PG 5050 BLUE MATERIAL SAFETY DATA SHEET

Issue 1 Issue Date: July 2023

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PROCOOL PG 5050 BLUE

Company: Recochem Inc. ABN: 69 010 485 999

Address: 1809 Lytton Road, Lytton, Queensland 4178

Phone: (07) 3308 5200

Fax: (07) 3308 5201

Emergency Telephone Number: Day - (07) 3308 5200 After Hours - 1300 131 001

Other Names: Glycol Coolant, Antifreeze

Manufacturer's Product Code: 50661

Recommended Use: Radiator Antifreeze, Coolant

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS NON-HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

PRECAUTIONARY STATEMENTS

GENERAL	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

Chemical Entity	CAS Number	Proportion (%)
Propylene Glycol	57-55-6	45 - 55
Denatonium Benzoate	3734-33-6	> 20ppm

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

Inhalation: Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.

Eye Contact: If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek medical advice as a precaution.

SYMPTOMS CAUSED BY EXPOSURE

Inhalation: May cause irritation to mucous membranes and respiratory tract.

Skin: May cause irritation.

Eye: May cause irritation.

Ingestion: May result in nausea, vomiting and irritation of the gastrointestinal tract.

MEDICAL ATTENTION AND SPECIAL TREATMENT

Treat symptomatically.

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SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Equipment: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.

Specific hazards arising from the chemical: When heated to decomposition, emits acrid smoke and irritating fumes. Not a product presenting risks of explosion.

Special protective equipment and precautions for fire fighters: Wear full protective clothing and self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with spilled or released material. Do NOT ingest. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Ventilate contaminated area thoroughly.

Environmental precautions: Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers.

Methods and materials for containment and cleaning up: For small spills (< 1 drum), dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or appropriate disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely in accordance with regional regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing vapours. Do not ingest. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is well ventilated. Do not empty into drains.

Conditions for safe storage, including any incompatibilities: Store in a cool, well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidisers.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure control measures: None assigned.

Biological monitoring: No biological limit allocated.

Engineering controls: Ensure that adequate ventilation is provided. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual Protective Measures

Eye and face protection: Wear safety goggles.

Skin protection: Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

Respiratory protection: If ventilation inadequate, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Thermal hazards: Not applicable.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION	CHEMICAL PROPERTIES
Appearance	Blue liquid
Odour	None
Odour threshold (ppm)	Data not available
pH	7.5 - 8.5 (1% in water)
Melting point/freezing point (°C)	-31
Initial boiling point and boiling range (°C)	105
Flash point (°C)	Data not available
Evaporation rate (Butyl acetate = 1)	Data not available
Flammability	Not combustible
Upper/lower flammability or explosive limits (%)	Data not available
Vapour pressure (mmHg @ 20°C)	0.06
Vapour density (air = 1)	> 1
Density (g/ml @ 15°C)	1.048 - 1.058
Solubility:	Soluble in water, methanol, diethyl ether
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	> 400
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm ² /s @ 20°C):	Data not available

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions of use.

Chemical stability: Stable under normal conditions of use.

Possibility of hazardous reactions: Stable under normal conditions of use.

Conditions to avoid: None.

Incompatible materials: Strong oxidising agents, acids, alkalis.

Hazardous decomposition products: Burning can produce carbon monoxide and/or carbon dioxide.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity: Low toxicity in animals. Propylene Glycol: LD50 Oral (rat) > 20,000mg/kg.

Skin corrosion/irritation: Contact with skin may cause irritation. Has a degreasing effect on the skin.

Serious eye damage/irritation: May cause minor eye irritation.

Respiratory or skin sensitisation: Not expected to be a sensitiser.

Germ cell mutagenicity: No evidence of mutagenic activity.

Carcinogenicity: Not carcinogenic in animal studies.

Reproductive toxicity: Not expected to impair fertility.

Specific Target Organ Toxicity (STOT) - single exposure: May cause irritation to the lungs and respiratory system.

Specific Target Organ Toxicity (STOT) - repeated exposure: Repeated excessive ingestion may cause central nervous system effects.

Aspiration hazard: Not considered an aspiration hazard.

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SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Acute toxicity

Fish: Low toxicity: LC/EC/IC50 > 100mg/l

Aquatic Invertebrates: Low toxicity: LC/EC/IC50 > 100mg/l

Algae: Low toxicity: Low toxicity: LC/EC/IC50 > 100mg/l

Microorganisms: Expected to have low toxicity: LC/EC/IC50 > 100mg/l

Persistence and degradability: Biodegradable.

Bioaccumulative potential: Data not available.

Mobility in soil: Miscible with water.

Other adverse effects: Data not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number: N/A

Proper Shipping Name: N/A

Australian Dangerous Goods class: N/A

Australian Dangerous Goods packing group: N/A

Hazchem Code: N/A

SECTION 15 REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:

Not scheduled

Australian Inventory of Chemical Substances (AICS): Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): N/A

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Recochem on (07) 3308 5200.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.