

PROCOOL COMMERCIAL LONG LIFE 5050 RED MATERIAL SAFETY DATA SHEET

Issue 1 Issue Date: September 2023

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PROCOOL COMMERCIAL LONG LIFE 5050 RED

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: 19871

Recommended Use: Radiator Antifreeze, Coolant

SECTION 2 HAZARDS IDENTIFICATION

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

GHS Classification

Acute Toxicity – Oral, Category 4

Specific Target Organ Toxicity (Repeated Exposure) – Category 2



Signal Word: WARNING

Hazard

Statements:

H302 - Harmful if swallowed

H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure following skin contact and or if swallowed

Precautionary

Statements:

P101 - If Medical advice is needed, have product container or label at hand

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
PREVENTATIVE	
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling
P270	Do not eat, drink or smoke when using this product
RESPONSE	
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P314	Get medical advice/attention if you feel unwell
P330	Rinse Mouth
DISPOSAL	
P501	Dispose of contents/container in accordance with local regulations

PROCOOL COMMERCIAL LONG LIFE 5050 RED MATERIAL SAFETY DATA SHEET

Issue 1 Issue Date: September 2023

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

Chemical Entity	CAS Number	Proportion (%)
Ethylene Glycol	107-21-1	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 IMMEDIATE MEDICAL ATTENTION.

SYMPTOMS CAUSED BY EXPOSURE

Inhalation: May include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.

Skin: May include burning sensation, redness, swelling and/or blisters.

Eye: May include burning sensation, redness, swelling and/or blurred vision.

Ingestion: May include nausea, vomiting, abdominal cramps, diarrhoea, lumbar pain shortly after ingestion, and possibly narcosis and death. Kidney toxicity may be recognized by blood in the urine or increased or decreased urine flow.

MEDICAL ATTENTION AND SPECIAL TREATMENT

Treat symptomatically.

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: Carbon dioxide and/or carbon monoxide may be evolved if incomplete combustion occurs. Material will not burn unless preheated. When heated to decomposition, emits acid 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.

PROCOOL COMMERCIAL LONG LIFE 5050 RED MATERIAL SAFETY DATA SHEET

Issue 1 Issue Date: September 2023

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), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

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 ventilated such that the Occupational Exposure limit is not exceeded. 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: From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia - Monoethylene glycol: 52mg/m³ (20ppm) TWA (vapour), 104mg/m³ (40ppm) STEL (vapour) and 10mg/m³ TWA (particulate).

Biological Monitoring: No biological limit allocated.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. 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 work practices do not maintain airborne level below the exposure standard, 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: N/A

PROCOOL COMMERCIAL LONG LIFE 5050 RED MATERIAL SAFETY DATA SHEET

Issue 1 Issue Date: September 2023

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION	CHEMICAL PROPERTIES
Appearance	Red viscous liquid
Odour	None
pH	7.5 - 8.5 (1% in water)
Melting point/freezing point (°C)	-37
Initial boiling point and boiling range (°C)	107 - 108
Evaporation rate (Butyl acetate = 1)	0.01
Flammability	Not flammable
Vapour pressure (mmHg @ 20°C)	0.06
Vapour density (air = 1)	2.1
Density (g/ml @ 15°C)	1.07 - 1.08
Solubility	Soluble in water, methanol, diethyl ether

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: High temperatures.

Incompatible Materials: Strong oxidising agents, strong acids, strong alkalis.

Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute toxicity:

Swallowed: Hazardous in case of ingestion (approx. 100ml can be fatal)

Skin: May cause skin irritation; prolonged contact may cause dermatitis

Eye: May cause eye irritation

Respiratory: 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 drowsiness or dizziness.

Inhalation of vapours or mists may cause irritation to the lungs and respiratory system

Specific Target Organ Toxicity (STOT) – Repeated Exposure: May cause damage to organs or organ systems through prolonged or repeated exposure. Toxic to liver and kidneys

Aspiration Hazard: Not considered an aspiration hazard

Toxicity to Animals: Acute oral toxicity (LD50): 4700mg/kg (Rat).

Acute dermal toxicity (LD50): 9530 mg/kg (Rabbit)

PROCOOL COMMERCIAL LONG LIFE 5050 RED MATERIAL SAFETY DATA SHEET

Issue 1 Issue Date: September 2023

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

Chronic toxicity

Fish: NOEC/NOEL > 100mg/l

Aquatic Invertebrates: NOEC/NOEL > 100mg/l

Persistence/degradability: Biodegradable.

Bioaccumulative potential: Does not bioaccumulate significantly.

Mobility in soil: Dissolves in water. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number: N/A

Proper Shipping Name: N/A

Class: N/A

Packing Group: N/A

Hazchem Code: N/A

SECTION 15 REGULATORY INFORMATION

Poisons Schedule: 5

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.

This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.