



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

|                                    |                  |
|------------------------------------|------------------|
| <b>Product Identifier</b>          | <b>RECO TRED</b> |
| <b>Other Names</b>                 | None             |
| <b>Manufacturer's Product Code</b> | 50100            |
| <b>Recommended Use</b>             | Tyre additive    |

### Details of Supplier/Manufacturer

|          |                                           |
|----------|-------------------------------------------|
| Company: | Recochem Inc. ABN: 69 010 485 999         |
| Address: | 1809 Lytton Road, Lytton, Queensland 4178 |
| Phone:   | (07) 3308 5200 Fax: (07) 3308 5201        |
| Website: | www.recochem.com.au                       |

### Emergency Telephone Numbers

|                      |                                               |
|----------------------|-----------------------------------------------|
| Business Hours:      | (07) 3308 5200                                |
| After Hours:         | 1300 131 001                                  |
| Poisons Information: | Australia: 13 11 26 New Zealand: 0800 764 766 |

## SECTION 2 HAZARDS IDENTIFICATION

|                               |                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Non-hazardous chemical</b> | <i>according to classification by Safe Work Australia</i>                                     |
| <b>Non-dangerous goods</b>    | <i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i> |

### 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 AND INFORMATION ON INGREDIENTS

### Ingredients Names and Proportions

| Chemical Entity                 | CAS Number | Proportion (%) |
|---------------------------------|------------|----------------|
| Propylene Glycol                | 57-55-6    | 20 - 30        |
| Other non-hazardous ingredients | -          | < 5            |
| Water                           | 7732-18-5  | Balance        |

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**SECTION 4 FIRST AID MEASURES**

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**Description of necessary first aid measures**

|               |                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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**

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**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 carbon monoxide.

**Special protective equipment and precautions for fire fighters**

Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**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.

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**SECTION 7 HANDLING AND STORAGE**

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**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.

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**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**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 protection 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**

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|                                                   |                         |
|---------------------------------------------------|-------------------------|
| Appearance:                                       | Green liquid            |
| Odour:                                            | None                    |
| Odour threshold (ppm):                            | Data not available      |
| pH:                                               | 7.5 - 8.5 (1% in water) |
| Melting point/freezing point (°C):                | -8                      |
| Initial boiling point and boiling range (°C):     | 100                     |
| 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):                            | 1.015 - 1.020           |

**Product: RECO TRED**

|                                                  |                                           |
|--------------------------------------------------|-------------------------------------------|
| 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 <sup>2</sup> /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.<br>Propylene Glycol: LD50 Oral (rat) > 20,000mg/kg     |
| Skin corrosion/irritation:                                 | Contact with skin may result in 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**

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**Ecotoxicity**

Acute toxicity:

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Fish –                 | Low toxicity: LC/EC/IC50 > 100mg/l                  |
| Aquatic invertebrate – | Low toxicity: LC/EC/IC50 > 100mg/l                  |
| Algae –                | Low toxicity: LC/EC/IC50 > 100mg/l                  |
| Microorganisms –       | Expected to have low toxicity: LC/EC/IC50 > 100mg/l |

Chronic toxicity:

|                        |                    |
|------------------------|--------------------|
| Fish –                 | Data not available |
| Aquatic invertebrate – | Data not available |
| Algae –                | Data not available |
| Microorganisms –       | Data not available |

**Persistence and degradability**

Biodegradable.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Miscible with water.

**Other adverse effects**

Data not available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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|                                                  |                |
|--------------------------------------------------|----------------|
| <b>UN number:</b>                                | Not applicable |
| <b>Proper shipping name:</b>                     | Not applicable |
| <b>Australian Dangerous Goods class:</b>         | Not applicable |
| <b>Australian Dangerous Goods packing group:</b> | Not applicable |
| <b>Hazchem code:</b>                             | Not applicable |

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**SECTION 15 REGULATORY INFORMATION**

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|                                                                                         |                |
|-----------------------------------------------------------------------------------------|----------------|
| 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):                        | Not applicable |

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**SECTION 16 OTHER INFORMATION**

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|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| Date of preparation:      | 25/07/2019                                                      |
| Revision number:          | 3                                                               |
| Changes in this revision: | Revised due to expiry, no changes to classification of material |

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This MSDS 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.

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