



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>RECOSOL TEG (TRIETHYLENE GLYCOL)</b>
<b>Other Names</b>	Triethylene Glycol
<b>Manufacturer's Product Code</b>	16630
<b>Recommended Use</b>	Solvent and plasticiser

### 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:

<b>GENERAL</b>	
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 (%)
Triethylene Glycol	112-27-6	> 99

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**SECTION 4 FIRST AID MEASURES**

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**Description of necessary first aid measures**

Inhalation:	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.
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 occurs seek immediate medical assistance.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. In all cases of eye contamination it is sensible to seek medical advice.
Ingestion:	If swallowed rinse mouth with water and give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

**Symptoms caused by exposure**

Inhalation:	May cause mild irritation to respiratory system.
Skin:	May cause mild irritation – itching and redness.
Eye:	May cause mild irritation - redness and burning.
Ingestion:	May result in nausea, vomiting and abdominal pain.

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable extinguishing equipment**

Use water fog or spray, foam, dry agent.

**Specific hazards arising from the chemical**

Carbon monoxide and/or carbon dioxide may be evolved.

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

Combustible material. 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**

Slippery when spilt. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work upwind or increase ventilation. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel.

**Environmental precautions**

Contain and prevent runoff into waterways and drains.

**Methods and materials for containment and cleaning up**

For spills, absorb with dry earth, sand or other non-combustible and inert material. Collect and seal properly labelled containers or drums for disposal. Wash down area with excess water. 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**

Combustible C2 liquid. Avoid contact with eyes, skin and clothing. Do not ingest. Handle open containers in well ventilated area. Ensure that the workplace is ventilated adequately. Do not empty into drains. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

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**Conditions for safe storage, including any incompatibilities**

Do not store near strong oxidants.

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**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**Exposure control measures**

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -  
No exposure standard documented.

**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 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:	Not applicable.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance:	Colourless to pale yellow clear liquid
Odour:	Mild, sweet
Odour threshold (ppm):	Data not available
pH:	Data not available
Melting point/freezing point (°C):	-7.3
Initial boiling point and boiling range (°C):	285
Flash point (°C):	227 (CC)
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Combustible
Upper/lower flammability or explosive limits (%):	0.9 – 9.2
Vapour pressure (kPa @ 20°C):	Data not available
Vapour density (air = 1):	Data not available
Density (g/ml @ 25°C):	1.12
Solubility:	Miscible with water
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	360

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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**

Stable under normal conditions of use.

**Incompatible materials**

Strong oxidising agents.

**Hazardous decomposition products**

Burning can produce carbon monoxide and/or carbon dioxide.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute toxicity:	Expected to be of low toxicity
Skin corrosion/irritation:	Contact with skin may result in irritation
Serious eye damage/irritation:	May be an irritant
Respiratory or skin sensitisation:	Not expected to be a sensitiser
Germ cell mutagenicity:	No expected to be mutagenic
Carcinogenicity:	Not expected to be carcinogenic
Reproductive toxicity:	Not expected to impair fertility
Specific Target Organ Toxicity (STOT) – single exposure:	Breathing in vapour, mists or aerosols may produce respiratory irritation.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available
Aspiration hazard:	Not considered an aspiration hazard.

**SECTION 12 ECOLOGICAL INFORMATION****Ecotoxicity**

Acute toxicity:

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

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Chronic toxicity:

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

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Floats on water.

**Other adverse effects**

Data not available.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Ensure waste disposal conforms to local waste disposal regulations.

**SECTION 14 TRANSPORT INFORMATION**

<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

**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):	Not applicable

**SECTION 16 OTHER INFORMATION**

Date of preparation:	11/01/2016
Revision number:	5
Changes in this revision:	Corrected header

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.