



# MATERIAL SAFETY DATA SHEET

---

## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

---

**Product Name: RECOSOL 142**

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: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: Diethylene Glycol Monobutyl Ether  
Manufacturer's Product Code: 16160  
Recommended Use: Solvent

---

## 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**

Symbols: Xi Irritant  
Risk Phrases: R36 Irritating to eyes.  
Safety Phrases: S2 Keep out of the reach of children  
S24 Avoid contact with skin  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

---

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

---

### Hazardous Ingredients

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Diethylene glycol monobutyl ether	112-34-5	>90

---

## SECTION 4 FIRST AID MEASURES

---

### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.  
**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical assistance.  
**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation persists obtain medical attention  
**Inhaled:** 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

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor:** Treat symptomatically.

**Additional Information:** None available.

---

## SECTION 5 FIRE FIGHTING MEASURES

---

**Specific Hazards:** Combustible liquid.

**Hazards from combustion products:** Carbon monoxide and/or Carbon dioxide may be evolved.

**Fire Fighting Media and Instructions:** Combustible liquid. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Use water fog or spray, foam, dry agent

**Product: RECOSOL 142**

Additional Information: None

---

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

---

Observe all local and national regulations

**Spills and Disposal:** Shut off all sources of ignition. Increase ventilation. Clear area of all unprotected personnel. Stop leak if safe to do so. Absorb with dry earth, sand or other non-combustible and inert material. Collect and seal improperly labelled containers or drums for disposal.

---

**SECTION 7 HANDLING AND STORAGE**

---

**Precautions for Safe Handling and Storage:** Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants, acid, bases and metals..

**Flammability:** Combustible

---

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

---

**Exposure Standards:** None available

**Biological Limit Values:** No biological limit allocated

**Personal Protective Equipment:**

**Respiratory Protection:** If inhalation risk exists an approved organic vapour respirator (AS/NZS 1715 and 1716) should be worn.

**Hand Protection:** Use solvent resistant gloves. Nitrile, PVC or neoprene.

**Eye Protection:** Wear safety Goggles.

**Protective Clothing:** Use chemical resistant glove/gauntlets, boots and apron.

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

---

**SECTION 9 IDENTIFICATION**

---

**PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES**

Appearance	Colourless Clear Liquid
Odour	Mild characteristic
pH:	N/A
Vapour Pressure (mmHg @ 20°C):	0.03 kPa
Vapour Density (air = 1)	5.6
Boiling Point (°C):	231
Freezing/Melting Point (°C):	-68
Solubility in Water	Miscible with water
Specific Gravity (g/ml @ 15°C):	0.95
Flashpoint (°C):	78 (Closed cup)
Flammability Limits (%):	0.85 – 24.6
Auto Ignition Temperature (°C):	204
Percent Volatiles	<0.01

---

**SECTION 10 STABILITY AND REACTIVITY**

---

**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Avoid heat, sparks, open flames and other ignition sources.

**Incompatible Materials:** Strong oxidising agents, acids, bases and metals.

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

---

**SECTION 11 TOXICOLOGICAL INFORMATION**

---

**HEALTH EFFECTS**

*Acute:*

**Product: RECOSOL 142**

**Swallowed:** Slightly toxic. May produce signs of intoxication ie incoordination, dizziness, drowsiness headache, nausea, mental confusion, possible slurred speech and stupor depending on quantity ingested.

**Eye:** Causes severe irritation to eyes.

**Skin:** Prolonged contact causes mild to moderate local redness and swelling. Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material.

**Inhaled:** Vapour from heated material may cause headache, nausea and dizziness.

**Chronic:** Prolonged or repeated overexposure to mist or vapour generated at high temperatures may result in the inhalation of harmful amounts of material. Repeated overexposure may cause damage to kidneys.

**Toxicological Data**

Oral LD50 (rat): 5660mg/kg.

Dermal LD50 (rabbit): 2700 mg/kg.

---

**SECTION 12 ECOLOGICAL INFORMATION**

---

**Ecotoxicity:**

Mobility : Miscible with water

Persistence/degradability : Biodegradable

---

**SECTION 13 DISPOSAL CONSIDERATIONS**

---

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

---

**SECTION 14 TRANSPORT INFORMATION**

---

UN Number:	None	Proper Shipping Name:	N/A
Class:	N/A	Subsidiary Risk:	N/A
Packing Group:	N/A	Hazchem Code:	N/A
Special Precautions for User:	None		

---

**SECTION 15 REGULATORY INFORMATION**

---

Poisons Schedule : N/A

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA HB76:2004) : 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.

---