



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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### Product Name: BIODEGREASE

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: Degreaser  
Manufacturer's Product Code: 16044  
Recommended Use: Degreaser

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## SECTION 2 HAZARDS IDENTIFICATION

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

**Symbols:** None  
**Risk Phrases:** None  
**Safety Phrases:** S2 - Keep out of the reach of children

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Hazardous Ingredients</b>	<i>CAS Number</i>	<i>Proportion (%)</i>
<i>Chemical Entity</i>		
Mixture of fatty acid methyl esters	67784-80-9	99
Surfactant	9004-96-0	1

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## SECTION 4 FIRST AID MEASURES

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### FIRST AID TREATMENT

**Swallowed:** If swallowed, do NOT induce vomiting. Wash out mouth with water.  
**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes. If persistent irritation occurs transport to nearest medical facility for additional treatment.  
**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.  
**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.

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## SECTION 5 FIRE FIGHTING MEASURES

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**Suitable Extinguishing Media:** Foam, water spray or fog, dry chemical powder. Do not use water in a jet.

**Hazards from combustion products:** Likely to give rise to complex mixtures on combustion, including oxides of carbon.

**Precautions for Fire Fighters and Special Protective Equipment:** Wear full protective clothing and self-contained breathing apparatus.

**Additional Information:** Combustible.

**Product: BIODEGREASE**

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Observe all local and national regulations.

**Spills and Disposal:** Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

**Methods and Materials for Containment and Clean Up Procedures:** 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.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for Safe Handling and Storage:** Avoid prolonged or repeated 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.

**Flammability:** Combustible.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Standards:** NOHSC has set the following exposure limits for oil mists: 5mg/m<sup>3</sup> TWA (8hr), 10mg/m<sup>3</sup> STEL.

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

**Personal Protective Equipment:**

**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 and select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

**Hand Protection:** Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).

**Eye Protection:** Wear safety goggles.

**Protective Clothing:** Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

**Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

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**SECTION 9 IDENTIFICATION**

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**PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES**

Appearance	Amber/yellow liquid
Odour	Mild vegetable oil
pH	N/A
Vapour Pressure (mmHg @ 20°C):	< 5
Vapour Density (air = 1)	> 1
Boiling Point (°C):	> 280
Freezing/Melting Point (°C):	< -30
Solubility in Water mg/100mL	Negligible
Specific Gravity (g/ml @ 20°C):	0.875 - 0.900
Flashpoint (°C):	> 120 (CC)
Flammability and explosion limits (%):	Not Available
Auto Ignition Temperature (°C):	Not Available
Percent Volatiles	Not Available

**Product: BIODEGREASE**

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**SECTION 10 STABILITY AND REACTIVITY**

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

**Conditions to Avoid:** Avoid extremes of temperature.

**Incompatible Materials:** Strong oxidising agents.

**Hazardous Decomposition Products:** Combustion could produce fumes containing carbon monoxide and carbon dioxide.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**HEALTH EFFECTS**

*Acute:*

**Swallowed:** Expected to be of low toxicity: LD50 expected to be > 2000mg/kg (rat).

**Eye:** Expected to be slightly irritating.

**Skin:** Expected to be slightly irritating.

**Inhaled:** Inhalation of vapours or mists may cause slight irritation to the respiratory system.

**Chronic:** Prolonged and/or repeated contact can result in defatting of skin which can lead to irritation and possibly dermatitis.

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Aquatic organisms: No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material.

**Mobility:** Floats on water. If enters soil will adsorb to soil and will not be mobile.

**Persistence/degradability:** Expected to be readily biodegradable.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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

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**SECTION 14 TRANSPORT INFORMATION**

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UN Number:	N/A	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		

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**SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule : None allocated

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010): N/A

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**SECTION 16 OTHER INFORMATION**

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

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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.

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