



Material Safety Data Sheet

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| WHMIS (Pictograms) | WHMIS (Classification) | Personal Protective Equipment |
| | Class D-2B: Material causing other toxic effects (TOXIC). | |

Section 1. Product and Company Identification

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|---------------------------|--|--------------------------------|--|
| Product Name / Trade name | Brake Fluid DOT 4 | Associated Product's Item Code | 35-823CQ |
| Synonym | Not available. | CAS # | Mixture. |
| Chemical Family | Not available. | Validation Date | July 09 2004 |
| Chemical Formula | Not applicable. | Print Date | July 09 2004 |
| Manufacturer | Recochem inc. 850 Montée de Liesse Montréal (Québec) (514) 341-3550 www.recochem.com | In Case of Emergency | Recochem Inc. Communications and Regulatory Affairs Department (905) 791-1788 |
| Material Uses | Consumer products: Brake Fluid. | | |

Section 2. Hazardous Ingredients

| Name | CAS # | % by Weight | Exposure Limits | |
|------------------------------------|-----------|-------------|-------------------------|---|
| | | | Canadian Values (ACGIH) | U.S. Values (OSHA) |
| Triethylene glycol monobutyl ether | 143-22-6 | 10-40 | Not available. | Triethylene glycol monobutyl ether Not available. |
| Polyethylene glycol butyl ether | 9004-77-7 | 10-20 | Not available. | Polyethylene glycol butyl ether Not available. |

Section 3. Hazard Identification

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| Emergency Overview | MAY CAUSE EYE AND SKIN IRRITATION. May cause fetotoxic effects based on animal studies on one or more components. No human effects known. |
| Potential Acute Health Effects | See Section #11: "Toxicological Information" for further human health effects. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). May cause corneal injury. |
| Note to Physician | No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reaction of the patient. |

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Section 4. First Aid Measures

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| Eye Contact | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. |
| Skin Contact | Wash with soap and water. Get medical attention if irritation develops. Wash contaminated clothing before reusing. |
| Inhalation | Allow the victim to rest in a well-ventilated area. |
| Ingestion | Do not induce vomiting. Seek medical attention. |

Section 5. Fire Fighting Measures

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| Products of Combustion | These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...). |
| Fire Fighting Media and Instructions | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. |
| Fire Hazards | Not considered to be flammable. |
| Explosion Hazards | Not considered as a product presenting risks of explosion. |

Section 6. Accidental Release Measures

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| Small Spill and Leak | Mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. |
| Large Spill and Leak | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Dispose of in accordance with regional regulations. |

Section 7. Handling and Storage

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| Handling | Avoid contact with eyes. Wash thoroughly after handling. |
| Storage | See Section #10 for applicable incompatible materials. Keep container tightly closed. Keep container in a cool, well-ventilated area. Contains moisture sensitive material, store in a dry place. |

Section 8. Exposure Controls, Personal Protection

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| Engineering Controls | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
| Personal Protection | |
| <i>Eyes</i> | Splash goggles. |
| <i>Body</i> | No special protective clothing is required. |
| <i>Respiratory</i> | No special protective clothing is required. |
| <i>Hands</i> | Gloves (impervious). |

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Section 9. Physical and Chemical Properties

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| Physical State and Appearance | Slightly viscous liquid. | Odour | Slight. |
| Molecular Weight | Not applicable. | Taste | Not available. |
| pH (1% Soln/Water) | 7 [Neutral.] | Colour | Colorless to amber. (Light.) |
| Boiling/Condensation Point | 248°C (478.4°F) | Volatility | Not available. |
| Melting/Freezing Point | Not available. | Evaporation Rate | Not available. |
| Specific Gravity | 1.03 (Water = 1) | Odour Threshold | Not available. |
| Vapour Pressure | Low. | Viscosity | Dynamic: 1456 cP |
| Vapour Density | Not available. | Solubility | Easily soluble in cold water, hot water, diethyl ether. |
| VOC Content | 0 (g/l). | Other Properties | Not available. |
| The Product is: | May be combustible at high temperature. | | |
| Auto-ignition Temperature | Not available. | | |
| Flash Point | Closed cup: 133°C (271.4°F). (Pensky-Martens.) | | |
| Flammable Limits | Not available. | | |
| Fire Hazards in Presence of Various Substances | Not considered to be flammable. | | |

Section 10. Stability and Reactivity

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| Stability | The product is stable. |
| Conditions of Instability | Not available. |
| Incompatibility with Various Substances | Reactive with oxidizing agents. |

Section 11. Toxicological Information

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|--------------------------------|---|
| Routes of Entry | Ingestion. |
| Toxicity to Animals | Acute oral toxicity (LD50): >2000 mg/kg [Rat]. |
| Acute Effects on Humans | |
| <i>Eyes</i> | Hazardous in case of eye contact (irritant). |
| <i>Skin</i> | Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. |
| <i>Inhalation</i> | Vapours are unlikely due to physical properties. Unlikely to be inhaled because of physical characteristics. |
| <i>Ingestion</i> | Single dose oral toxicity is considered to be extremely low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. |

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Chronic Effects on Humans

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Fetotoxic in mice at levels below maternal toxicity.
DEVELOPMENTAL TOXICITY: Not available.

Section 12. Ecological Information
Ecotoxicity

For accidental discharges into environment, see Section #6: "Accidental Release Measures" for suggested instructions.

Practically non-toxic to aquatic organisms.

Section 13. Disposal Considerations
Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information
Canada Transportation of Dangerous Goods (TDG) Information

Primary Class - Not a TDG controlled material.

Subsidiary Class (if applicable) -

Proper shipping name -

Hazard Identification Not regulated.

Number

Packing Group -

Special Provisions

No placard (empty and closed head) required.

No placard (empty and closed head) required.

International Maritime Dangerous Goods (IMDG) Transportation Information

Primary Class - Not controlled under IMDG.

Subsidiary Class (if applicable) -

Proper shipping name -

Hazard Identification Not regulated.

Number

Packing Group -

Marine Pollutant Not pollutant.

Special Provisions -

No placard (empty and closed head) required.

United States Department of Transportation (DOT) Information

Primary Class - Not a DOT controlled material (United States).

Subsidiary class (if applicable) -

Proper shipping name -

Hazard Identification Not regulated.

Number

Packing Group -

No placard (empty and closed head) required.

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**Special Provisions**

International Air Transport Association (IATA) For air shipment classification and associated regulations, please refer to the latest edition of IATA Dangerous Goods Regulations.

Section 15. Other Regulatory Information and Pictograms

WHMIS Classification (Canada) Class D-2B: Material causing other toxic effects (TOXIC).

Canada Domestic Substances List (DSL) Status This product and/ or all of its components are on the DSL.

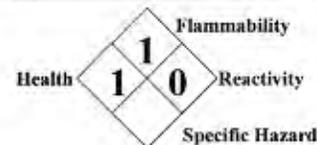
HCS Classification (U.S.A.) Toxic material

U.S.A. Regulatory Lists This product and/ or all of its components are on the TSCA inventory list.

Hazardous Material Information System (U.S.A.)

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| Health | 1 |
| Flammability | 1 |
| Reactivity | 0 |
| Personal Protection | B |

National Fire Protection Association (U.S.A.)

**Section 16. Other Information**

Validated and verified by Compliance and Technical Information Manager on July 09 2004

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Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MSDS are available at www.recochem.com