



BG PRODUCTS, INC.
701 South Wichita
Wichita, KS 67213
(316) 265-2686

Date: 1-22-04

84032

MATERIAL SAFETY DATA SHEET
Emergency Phone: (800) 424-9300

Section A. PRODUCT IDENTIFICATION

Product Number: 84032
Product Name: DOT 4 Brake Fluid

Product Use: Brake Fluid
CAS Number: Not Applicable

HAZARD RATING:

4 - EXTREME
 3 - HIGH
 2 - MODERATE
 1 - SLIGHT
 0 - INSIGNIFICANT

NFPA (704)

FLAMMABILITY: 1
 HEALTH: 1
 REACTIVITY: 0
 SPECIAL: 0

HMIS

FLAMMABILITY: 1
 HEALTH: 1
 REACTIVITY: 0
 PROTECTION: B

Section B. HAZARDOUS COMPONENTS

| COMPONENT | Percentage | CAS No. | EXPOSURE CRITERIA | | |
|--------------------------------------|------------|--------------|-------------------|-----------------|-----------------|
| | | | OSHA | ACGIH | Other |
| Trade Secret Alkyl Ester | 30-50 | Trade Secret | Not Established | Not Established | Not Established |
| Triethylene Glycol Monobutyl Ether | 10-40 | 143-22-6 | Not Established | Not Established | Not Established |
| Triethylene Glycol Monomethyl Ether | <20 | 112-35-6 | Not Established | Not Established | Not Established |
| Polyethylene Glycol Monomethyl Ether | <20 | 9004-74-4 | Not Established | Not Established | Not Established |
| Polyethylene Glycol Monobutyl Ether | 10-40 | 9004-77-7 | Not Established | Not Established | Not Established |
| Poly(ethylene oxide) | 5-15 | 25322-68-3 | Not Established | Not Established | Not Established |
| Inhibitor Package | 1-3 | Trade Secret | Not Established | Not Established | Not Established |

Section C. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|-----------------|---|--------------------------------|
| BOILING POINT: | >200°C (>392°F) | ODOR: | Mild ethereal |
| VAPOR PRESSURE: | Not Determined | APPEARANCE: | Transparent Pale Yellow Liquid |
| % VOLATILES BY VOLUME: | Not Determined | SPECIFIC GRAVITY (H₂O=1): | 1.047 |
| SOLUBILITY IN WATER: | Soluble | POUR POINT: | Not Determined |

Section D. FIRE PROTECTION AND INFORMATION

| | | |
|--------------------------------|---------------------------------|-----------------------------------|
| FLASH POINT AND METHOD: | FLAMMABLE LIMITS IN AIR: | AUTO IGNITION TEMPERATURE: |
| 135°C (275°F) / PMCC | Not Determined | Not Determined |

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear protective gear including self-contained breathing apparatus. Use extinguishing media appropriate for surrounding fire.

Section E. REACTIVITY DATA

| | |
|------------------------------------|----------------------------------|
| STABLE (NORMAL CONDITIONS): | HAZARDOUS POLYMERIZATION: |
| Stable | Will not occur |

HAZARDOUS AND DECOMPOSITION PRODUCTS:
 Carbon monoxide, oxygenated hydrocarbons and other products of incomplete combustion.

INCOMPATIBILITY (CONDITIONS TO AVOID):
 Strong Oxidizing Agents

Section F. HEALTH HAZARD INFORMATION

SKIN CONTACT: Repeated or prolonged skin contact may cause irritation.

EYE CONTACT: Direct contact with product may cause irritation.

INHALATION: Inhalation may irritate respiratory passages or cause CNS effects.

INGESTION: May be harmful if swallowed.

CARCINOGENICITY:

NTP?
NO

IARC MONOGRAPHS?
NO

OSHA REGULATED?
NO

Section G. EMERGENCY FIRST AID PROCEDURES

SKIN CONTACT: Remove all contaminated clothing and flush affected area for 15-20 minutes. If irritation occurs or persists, seek medical attention immediately.

EYE CONTACT: Flush with large amounts of water for 15-20 minutes. If irritation occurs or persists, seek medical attention immediately.

INHALATION: Remove from exposure area to a source of fresh air. If unconscious, start artificial respiration. If breathing is difficult or labored, provide Oxygen. Seek medical attention immediately.

INGESTION: DO NOT induce vomiting. Seek medical attention immediately.

Section H. SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Use local exhaust or other engineering controls to minimize exposure.

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH/MSHA approved respirator with cartridge as deemed appropriate.

EYE PROTECTION: Safety glasses or chemical goggles.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: Wear long sleeved shirt or other protective clothing when a potential for contact exists. Wear chemically protective gloves when handling.

Section I. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep containers closed when not in use and away from sources of ignition. Use in well-ventilated areas. Physically segregate from incompatibles. **Uniform Fire Code Class 3B material.**

OTHER PRECAUTIONS: Common chemical hygiene practices apply when working with this material.

Section J. ENVIRONMENTAL SPILL OR LEAK INFORMATION

SPILLS: Evacuate the immediate area and remove all sources of ignition. Contain and collect spill products using inert/absorbent materials. Place spill materials in a closed and labeled container for disposal. Contact response organizations as appropriate.

WASTE DISPOSAL: Dispose of in a manner consistent with all applicable Federal, State and local regulations.

Section K. TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Petroleum Lubricating Oil, not regulated

DOT ERG No.: Not Applicable

DOT HAZARD NAME: Not Applicable

UN NUMBER: Not Applicable

NA NUMBER: Not Applicable

IMDG CLASSIFICATION: Petroleum Lubricating Oil, not regulated

NMF FREIGHTCLASS: 155250

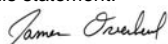
IMDG LABEL: Not Applicable

PACKING GROUP: Not Applicable

DOT LABEL: Not Applicable

Section L. COMMENTS

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. You must notify each person to whom this mixture or trade name product is sold. This statement must not be detached. Any copy or redistribution of the Material Safety Data Sheet shall include this statement.

Signature: 

Name/Title: James Overheul/Safety Manager