

Supplier:  
Permatex, Inc.  
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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: BRAKE FLUID DOT 3 12OZ  
Item No: 09105  
Product Type: Lubricant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients           | Percent | ACGIH 8 Hr. TWA: | OSHA 8 Hr. TWA: |
|-----------------------|---------|------------------|-----------------|
| SYNTHETIC OIL MIXTURE | <100    |                  |                 |

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause severe eye irritation. May cause moderate skin irritation. Exposure to vapors or mist may result in irritation of the respiratory tract. This product contains ethylene glycol ethers which may be lethal in high concentrations. Ethylene glycol ethers have produced dose-related teratogenic effects and maternal toxicity in laboratory animals. Harmful amounts may be absorbed through the skin with extensive and prolonged contact.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.

**Signs and Symptoms of Exposure:** Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Overexposure may cause eye and skin redness. Excessive exposure may cause abdominal discomfort, lumbar pain, CNS depression and kidney or liver damage.

**Medical Conditions Recognized as Being Aggravated by Exposure:** Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

### 4. FIRST AID MEASURES

**Ingestion:** Never give fluids or induce vomiting if the victim is unconscious or having convulsions. If swallowed dilute with 1-2 glasses of milk or water and then induce vomiting. Get immediate medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention. Discard contaminated shoes.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention. Speed and thoroughness in rinsing eyes are important to avoid permanent injury.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** 280 degrees F.

**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

**Special Fire-Fighting Procedures:** Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus.

**Hazardous Products Formed by Fire or Thermal Decomposition:** Carbon monoxide, Carbon dioxide, Partially oxidized hydrocarbons

**Unusual Fire/Explosion Hazards:** May ignite when sufficient heat is applied.

**Lower Explosive Limit:** Not determined.

**Upper Explosive Limit:** Not determined.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Use an NIOSH-approved respirator where occupational exposure limits may be exceeded.

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## **7. HANDLING AND STORAGE**

**Storage:** Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.  
**Handling:** Avoid contact with skin and eyes. Keep container closed when not in use. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Remove contact lenses and wear safety goggles where contact with liquid or mist may occur. Use face shield where splashing may occur.  
**Skin:** Wear chemical resistant gloves if repeated skin contact occurs or causes irritation. Launder contaminated clothing before reuse. Discard contaminated shoes.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.  
**Respiratory Protection:** Use approved respiratory protective equipment for cleaning large spills or entry into large tanks, vessels or other confined spaces or in situations where exposure may exceed occupational exposure levels. Avoid inhalation of vapors or mist generated by heating or violent agitation of this product.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear liquid  
**Odor:** Ether odor  
**Boiling Point (°F):** 401 degrees F.  
**pH:** Does not apply  
**Solubility in Water:** SOLUBLE  
**Specific Gravity:** 1.02-1.04  
**VOC Content(Wt.%):** None  
**Vapor Pressure:** <0.1 mmHg @ 20 degrees C.  
**Vapor Density (Air=1):** Not Determined  
**Evaporation Rate:** <1 (butyl acetate = 1)

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**Hazardous Polymerization:** WILL NOT OCCUR  
**Incompatibilities:** Avoid contact with strong oxidizers.  
**Conditions to Avoid:** Avoid contact with heat, sparks, open flame, and static discharge.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Carbon monoxide, Carbon dioxide, Partially oxidized hydrocarbons

## **11. TOXICOLOGICAL INFORMATION**

See Section 3

## **12. ECOLOGICAL INFORMATION**

No data available

## **13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations.  
**US EPA Waste Number:** NH - Not a RCRA Hazardous Waste Material

## **14. TRANSPORT INFORMATION**

**DOT (49CFR 172)**

### **Domestic Ground Transport**

**DOT Shipping Name:** Unrestricted  
**Hazard Class:** NONE  
**UN/ID Number:** None  
**Marine Pollutant:** None

### **IATA**

**Proper Shipping Name:** Unrestricted  
**Class or Division:** None

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**UN/NA Number:** NONE  
**IMDG**  
**Proper Shipping:** Unrestricted  
**Hazard Class:** None  
**UN Number:** None

## **15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical  
GLYCOL ETHER, ETHYLENE GLYCOL

### **CALIFORNIA PROP 65:**

WARNING: Chemicals known to the State of California to cause cancer and birth or other reproductive harm may be found in petroleum products. Although it is possible to sufficiently refine the petroleum to remove the potential for cancer, it is advised that one or more of the listed chemicals may be present in some detectable quantities.

### **TSCA Inventory Status:**

All components of this product are listed (or exempt) on the EPA TSCA inventory.

## **16. OTHER INFORMATION**

**Estimated NFPA Rating:** Not determined.  
**Estimated HMIS Classification:** Not determined

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

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