

# Material Safety Data Sheet

HEAVY DUTY BRAKE FLUID DOT 4

MSDS No. 050

Date of Preparation: 03/01/00

Revised: 06/23/00

## Section 1 - Chemical Product and Company Identification

**Product Name:** HEAVY DUTY BRAKE FLUID DOT 4  
**Part Number(s):** 2702, 2713, 2733 (Blend HD DOT4)  
**CAS Number:** NOT APPLICABLE TO MIXTURES  
**Product Class:** Automotive product

**Manufacturer:** Berryman Products, Inc., 3800 E. Randol Mill Rd., Arlington, TX 76011-5434

**Information Phone No.:** 1-800-433-1704 **Emergency Phone No.:** 1-800-535-5053

## Section 2 - Composition / Information on Ingredients

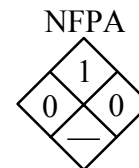
THIS PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF OSHA 29 CFR PART 1910.

## Section 3 - Physical and Chemical Properties

<b>Physical State:</b> LIQUID	<b>Boiling Point:</b> 480 °F
<b>Appearance and Odor:</b> YELLOW TO AMBER, MILD	<b>Refractive Index (@ 25 °C):</b> NA
	<b>% Volatile:</b> NOT DETERMINED
<b>Vapor Density (Air=1):</b> HEAVIER THAN AIR	<b>Evaporation Rate:</b> SLOWER THAN ETHER
<b>Specific Gravity (@ 20 °C):</b> 1.000 – 1.070	<b>Vapor Pressure (@ 68 °F):</b> NOT DETERMINED
<b>Density:</b> NA	

## Section 4 - Fire-Fighting Measures

**Flash Point:** >275 °F  
**Flash Point Method:** CC  
**LEL:** Not determined  
**Flammability Classification:** Class IIIB  
**Extinguishing Media:** Foam, dry chemicals, water spray.  
**Unusual Fire or Explosion Hazards:** None.  
**Special Fire-Fighting Procedures:** Do not release runoff from fire control methods to sewers or waterways. No special equipment or procedures required. Use water spray to cool fire-exposed containers.



## Section 5 - Stability and Reactivity

**Stability:** Stable.  
**Polymerization:** Hazardous polymerization will not occur.  
**Incompatibilities & Conditions to Avoid:** None.  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, and trace amounts of nitrogen may be formed during combustion.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:** Skin, dermal, inhalation and ingestion.  
**Target Organs:** Eyes, skin, respiratory tract.  
**Effects of Overexposure:** May cause minimal irritation to the eyes, skin, and lungs. If ingested, it can cause irritation of the mouth, stomach and esophagus. May produce CNS depression and kidney damage, which may be fatal.  
**Carcinogenicity:** IARC, NTP, and OSHA do not list any component of this product as a carcinogen.

**Chronic Effects:** May irritate mucous membranes and cause dermatitis.

### Emergency and First Aid Procedures

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

**Eye Contact:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**Skin Contact:** Wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**Ingestion:** Get medical attention. Induce vomiting.

### Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Stop spill at source. Wear appropriate personal protective equipment (Sec. 8). Contain the spill to facilitate clean up with absorbent. Transfer to disposal containers. Do not release into sewers or waterways.

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems.

**Administrative Controls:**

**Respiratory Protection:** Not required if working in well-ventilated area. Use approved respirator or air supply mask if working in an enclosed area or in case of a large spill.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Special Precautions and Comments

**Handling Precautions:** Wash thoroughly after handling.

**Storage Requirements:** Store out of direct sunlight and in a cool, well-ventilated area. Keep container closed when not in use.

**California Proposition 65:** This product contains the following chemicals known to the state of California to cause cancer and/or reproductive toxicity: None.

#### DOT Transportation Data (49 CFR 172.101):

<u>PART NUMBER(S)</u>	<u>SHIPPING NAME</u>	<u>HAZARD CLASS</u>	<u>ID NO.</u>	<u>PACKING GROUP</u>
2702, 2713, 2733	N/A	Not regulated	N/A	N/A

#### SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know-Act of 1986 & of 40CFR 372: None.

**Prepared By:** Morie Stone

**Disclaimer:** All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.