

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Brand Name: National
Product Name(s): Brake Fluid
Manufacturer: Pinnacle Oil, Inc.
Address: 5009 W. 81st Street
State: IN
Phone: (800) 829-8899
Emergency Number: (800) 829-8899
City: Indianapolis
Zip: 46268
Fax: (317) 875-0889

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name:</u>	<u>CAS#:</u>	<u>% Volume:</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Polypropylene Glycol	25322-69-4	5-10	not available	not available	not available
Diethylene Glycol Monopropyl ether	6881-94-3	5-10	not available	not available	not available
Triethylene Glycol Monobutyl ether	143-22-6	15-25	not available	not available	not available
Diethylene Glycol Monobutyl ether	112-34-5	15-35	not available	not available	not available
Diethylene Glycol	111-46-6	<10	not available	not available	not available
Tripropylene Glycol	24800-44-0	15-20	not available	not available	not available

The base oil for this product can be a mixture of any of the following highly refined petroleum streams:

Note: State, local, or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

3. HAZARDS IDENTIFICATION *Potential Health Effects*

Emergency Overview: Avoid contact with strong oxidizing agents and temperatures in excess of 300C. Contact with eyes could cause irritation. Prolonged contact with skin could result in irritation. Large doses by ingestion could be fatal.

Eye: Low hazard for usual handling. Contact with eyes could cause irritation.

Skin: Low hazard with usual handling. Prolonged contact with skin could result in irritation.

Ingestion: Oral induction can cause kidney and liver injury. Large doses could be fatal.

Inhalation: No information available. Studies by other exposure routes suggest a low degree of toxicity by inhalation.

Chronic Effects: Oral induction can cause kidney and liver injury. Large doses could be fatal.

Potential Environmental Effects: See Ecological Information, See Section 12.

4. FIRST AID MEASURES

Eye: Any material that contacts the eye should be washed out immediately and medical attention obtained if any symptoms are present after washing.

Skin: Wash hands with soap and water and consult medical personnel.

Inhalation: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion: Give two glasses of water and consult medical personnel.

**Note to
Physicians:**

5. FIRE FIGHTING MEASURES

Flash Point: 270 F TOC **LEL/UEL %** No Data **Auto Igniton Temperature:** No Data

OSHA Flammability Class: Not applicable

Extinguishing Media: Dry chemical, CO2, foam, or water fog.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant(see Section 8). Isolate immediate hazard area, keep unauthorized personnel out. Stop spill release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

Fire and Explosion Hazards: No unusual fire and explosion hazards are known.

6. ACCIDENTAL RELEASE MEASURES

**Accidental Release
Measures:** This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release. Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant(see Section 8). Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center(phone number 800-424-8802).

7. HANDLING AND STORAGE

Handling: Avoid contact with strong oxidizing agents and temperatures in excess of 300C.

Storage: Since emptied containers retain product residue, follow product label warnings even after container is emptied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: An eye bath should be available.

Other Protective Equipment: Wear safety glasses with side shields or goggles. A face shield is recommended.

Eye/Face: Wear safety glasses with side shields or goggles. A face shield is recommended.

Skin: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile rubber, Silver Shield, Viton.

Respiratory: If respiratory protection is needed, an appropriate NIOSH-approved respirator for organic vapor should be worn.

General Hygiene Considerations: There are no known hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common good industrial hygiene practices: avoid breathing vapor or mist, avoid contact with eyes and skin, wash thoroughly after handling and before eating or drinking.

Exposure Guidelines: See Section 2, Composition/Information on Ingredients.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: Unless otherwise stated, values are determined at 20C(68F) and 760mm Hg(1 atm)

Appearance: Clear, amber with slight etheric odor **Solubility in Water:** Not Soluble

Odor: Characteristic Petroleum **Flash Point:** 270 F TOC

Physical State:	Liquid	Flammable/Explosive Limits(%):	Not Determined
pH:	Not applicable	NFPA Health:	1
Vapor Pressure(mm Hg):	Not determined	NFPA Flammability:	1
Vapor Density(air=1):	Not determined	NFPA Reactivity:	0
Boiling Point/Range:	Not determined	HMIS Health:	1
Freezing/Melting Point:	Not Applicable	HMIS Fire:	1
		HMIS Reactivity:	0

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Avoid contact with strong oxidizing agents and temperatures in excess of 300C.

Materials to Avoid(Incompatible Materials): Avoid contact with strong oxidizing agents and temperatures in excess of 300C.

Hazardous Decomposition Products: Combustion will produce Carbon Dioxide and probably Carbon Monoxide.

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: Not Evaluated at this Time

12. ECOLOGICAL INFORMATION

Ecological Information: Not Evaluated at this Time

13. DISPOSAL CONSIDERATIONS

Disposal Consideration: This material under most intended uses would become used oil due to contamination by physical or chemical impurities. RECYCLE ALL USED OIL. While being recycled, used oil is regulated by 40 CFR 279. Use resulting in chemical or physical change or contamination may also subject it to regulation as hazardous waste. Under federal regulations, used oil is a solid waste managed under 40 CFR 279. However, in California, used oil is managed as hazardous waste until tested to show it is not hazardous. Consult state and local regulations regarding the proper handling of used oil. In the case of used oil, the intent to discard it may cause the used oil to be regulated as hazardous waste.

14. TRANSPORT INFORMATION

Note: DOT Hazard Classification: NOT REGULATED

15. REGULATORY INFORMATION

OSHA Hazard Determination: This material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Inventory: All of the components of this material are listed on the Toxic Chemical Substances Inventor. This product is in compliance with Toxic Substances Control Act(TSCA).

CERCLA(RQ) : This product is not subject to CERCLA reporting requirements.

SARA 311/312:	Acute Health:	No	Pressure Hazard:	No
	Chronic Health:	No	Reactive Hazard:	No
	Fire Hazard:	No		

SARA 302/304: There are no components in this product on the SARA 302/304 list.

SARA 313, Toxic Component(s): This Product does not contain >1.0 %(greater than 0.1% for Carcinogenic substance) of any chemical substances listed under SARA Section 313.

California Prop 65: Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5): -- None Known --Used engine oils, while not a component of this material, is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

16. OTHER INFORMATION

Disclamation: This information relates only to the specific material designated and may not be valid for such material used for in combination with other materials or in any process. Such information is, to the best of Pinnacle Oil's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use.

Preparers Info: Pinnacle Oil, Inc. **Date Revised:** 11/29/2011 **Date Prepared:** 4 /14/2008