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## SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

**COMMERCIAL DESIGNATION:** BERKEBILE 2+2<sup>®</sup> DOT 3 BRAKE FLUID  
STOCK NUMBER(S): B1400, B1401, B1402, B1405, B1408, B1412, B1417, B14055

**MANUFACTURER'S NAME:** The Berkebile Oil Company, Inc.  
**ADDRESS:** P.O. Box 715, Somerset, PA 15501-0715  
**PHONE:** 814-443-1656  
**FAX:** 814-443-2873  
**EMERGENCY PHONE:** CHEMTREC 1-800-424-9300  
**REVISION DATE:** October 21, 2014  
**NAME OF PREPARER:** Monica Ashbrook

### 2. HAZARDS IDENTIFICATION

This material has a low hazard under normal handling conditions.

#### HMIS HAZARD RATING

Health Hazard: 1; Fire Hazard: 1; Reactivity: 0.

### 3. COMPOSITION/INFORMATION

#### PRODUCT DESCRIPTION: 500 DOT 3 BRAKE FLUID

COMPONENT	CAS#	%(WT)
1. Diethylene glycol	111-46-6	15 – 25
2. *Diethylene glycol monobutyl ether	112-34-5	10 – 20
3. *Triethylene glycol monobutyl ether	143-22-6	15 – 30
4. Ethanol, 2- (2- propoxyethoxy)-	6881-94-3	5 – 10

\*Denotes Sara 313 chemicals.

### 4. FIRST AID MEASURES

#### EYES

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately

**4. First Aid Measures continued:**

**ORAL**

Drink plenty of water and consult medical personnel. Do NOT induce vomiting.

**SKIN**

Wash contaminated skin with soap and water get medical attention immediately.

**INHALATION**

Remove to fresh air and consult medical personnel.

**Most important symptoms/effects, acute and delayed:**

Most important Symptoms/Effects: Burning, Red eyes Tearing

**5. FIRE FIGHTING MEASURES**

**FLASH POINT**

203 F, PMCC, ASTM D 93

**UPPER FLAMMABLE LIMIT**

Not determined

**LOWER FLAMMABLE LIMIT**

1.5

**EXTINGUISHING MEDIA**

Dry chemical, CO<sub>2</sub>, foam, or water fog

**FIRE FIGHTING PROCEDURES**

Wear self-contained breathing apparatus with full face piece and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

None Known.

**AUTO IGNITION POINT**

Not determined.

**EXPLOSION DATA**

None Known.

**6. ACCIDENTAL RELEASE MEASURES**

**Small spills** should be collected with absorbent material.

**Large spills** should be contained to keep from entering drains, sewers, or streams. Flush area with water spray.

**7. HANDLING AND STORAGE**

**MAXIMUM HANDLING**

**TEMPERATURE**

Not Determined.

**HANDLING PROCEDURES**

Keep containers closed when not in use. Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of product.

**MAXIMUM STORAGE**

**TEMPERATURE**

None Established

**STORAGE PROCEDURES**

No special storage precautions required.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**VENTILATION PROCEDURES**

Use with adequate ventilation.

**GLOVE PROCEDURES**

PVC or Nitrile

**EYE PROTECTION**

Safety glasses with side shields or goggles.

**RESPIRATORY PROTECTION**

Under normal circumstance none is needed.

**CLOTHING**

Recommendation: Long **sleeve shirt is recommended.**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>VAPOR PRESSURE:</b>	less than 0.1 @ 20° C
<b>pH:</b>	10.5
<b>SPECIFIC GRAVITY:</b>	1.06
<b>WATER SOLUBILITY:</b>	complete
<b>PERCENT VOLATILE:</b>	unknown
<b>PERCENT VOC:</b>	not determined
<b>VAPOR DENSITY:</b>	not determined
<b>EVAPORATION RATE:</b>	less than 60% in 72 hours
<b>ODOR:</b>	Mild etheric odor
<b>APPEARANCE:</b>	clear to amber
<b>VISCOSITY:</b>	less than 1500 CST @ -40° F
<b>BOILING POINT:</b>	260° C (500° F) minimum
<b>MELTING POINT/RANGE</b>	not determined
<b>FLASH POINT</b>	203°C
<b>FLAMMABILITY (SOLID, GAS)</b>	not determined
<b>FLAMMABILITY LIMITS IN AIR</b>	not determined
<b>RELATIVE DENSITY</b>	not determined
<b>SOLUBILITY IN OTHER SOLVENTS</b>	not determined
<b>PARTITION COEFFICIENT:N-OCTANOL/WATER</b>	not determined
<b>AUTOIGNITION TEMPERATURE</b>	not determined
<b>DECOMPOSITION</b>	not determined
<b>FLAMMABLE PROPERTIES</b>	not flammable
<b>OXIDIZING PROPERTIES</b>	not determined

**10. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	stable
<b>DECOMPOSITON TEMPERATURE:</b>	not determined
<b>INCOMPATIBILITY:</b>	none known
<b>POLYMERIZATION:</b>	will not occur
<b>THERMAL DECOMPOSITION:</b>	carbon dioxide and probably carbon monoxide

**11. TOXICOLOGICAL INFORMATION**

**ORAL TOXICITY**

Lethal dose for human reported to be 100 ml.

**EYE IRRITATION**

Low hazard for normal handling. May cause slight irritation.

**SKIN IRRITATION**

Prolong contact could result in mild irritation

**RESPIRATORY IRRITATION**

Very toxic in particulate form upon inhalation.

**OTHER EXPOSURE LIMITS**

None known.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL**

Dispose of observing all local, state, and federal laws.

**14. TRANSPORTATION INFORMATION**

**US DOT (BULK):** Not Regulated

**US DOT (NON-BULK):** Not Regulated

**IMDG:** This material is not classified as dangerous under IMDG regulations.

**15. REGULATORY INFORMATION**

**US TSCA INVENTORY:** All components are on TSCA Inventory.

**SARA EXT. HAZ. SUBST.:** None

**SARA SECTION 313:** See Section 3

**CERCLA HAZARDOUS SUBSTANCES: None Known.**

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

**16. OTHER INFORMATION**

**IMPORTANT:** The information and data herein are believed to be accurate and have been compiled from the sources to be reliable. It is offered for your consideration, investigation, and verification. Buyer assumes all risk of use, storage, and handling of the product in compliance with applicable federal, state, and local laws and regulations. **The Berkebile Oil Company, Inc. makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The Berkebile Oil Company, Inc. will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete, or otherwise misleading. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.**