

# THE BERKEBILE OIL COMPANY, INC.

## MATERIAL DATA SAFETY SHEET

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

COMMERICAL DESIGNATION: **BERKEBILE 2+2<sup>®</sup> POWER STEERING FLUID**  
STOCK NUMBER (S): B1500, B1501, B1502, B150055

MANUFACTURE'S NAME: The Berkebile Oil Company, Inc.  
ADDRESS: P.O. Box 715, Somerset, PA 15501-0715  
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REVISION DATE: January 28, 2004  
NAME OF PREPARER: Patricia K. Berkebile Mellen

### 2. COMPOSITION/INFORMATION ON INGREDIENTS.

#### PRODUCT DESCRIPTION:

Liquid. Petroleum Odor

#### HAZARDOUS INGREDIENT

COMPONENT	CAS #	% (WT)
Aliphatic Petroleum Distillates	64742-65-0	87.0—97.0

#### NFPA Ratings:

Health: 1

Flammability: 1

Reactivity: 0

### 3. HAZARD IDENTIFICATION.

Under normal conditions and use, this product should present no significant health hazards.

The health effects noted below are consistent with requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EYE CONTACT: Unlikely to cause eye irritation or injury.

SKIN ABSORPTION: May cause mild skin irritation. Prolonged or repeated contact may dry and crack the skin.

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**INHALATION:** It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Symptoms usually occur at air concentrations higher than the recommended exposure limits.

**INGESTION:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects

## **4. FIRST AID.**

**EYE CONTACT:** If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty seek medical attention.

**SKIN CONTACT:** First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

**INHALATION:** If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**INGESTION:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**NOTE TO PHYSICIAN:** Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin.

## **5. FIRE-FIGHTING MEASURES.**

**FLASHPOINT:** >347° F.                      175°C                      COC

**EXPLOSIVE LIMIT:** No Data

**AUTOIGNITION TEMPERATURE:** Not determined

**HAZARDOUS PRODUCTS OF COMBUSTION:**

May form: carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.

**FIRE AND EXPLOSION HAZARDS:**

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Dense smoke may be generated while burning.

**EXTINGUISHING MEDIA:** Regular foam, carbon dioxide, dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS

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## **6. ACCIDENTAL RELEASE MEASURES.**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

**SMALL SPILL:** Absorb liquid on vermiculite, floor absorbent or other absorbent material.

**LARGE SPILL:** Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean up is completed. Stop spill at source. Dike to prevent spreading. Pump to salvage tank.

## **7. HANDLING AND STORAGE.**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Keep containers closed when not in use.

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

**RESPIRATORY PROTECTION:** Not required under normal conditions of use. However, if oil mists are generated above recommended PEL/LV of 5 mg/m<sup>3</sup>, then a NIOSH/MSHA approved respirator is advised in absence of proper environmental control. (See your industrial hygienist).

**SKIN PROTECTION:** Not normally required. However, wear resistant gloves such as nitrile rubber to prevent irritation that may result from prolonged or repeated skin contact with product. Wear normal work clothing covering arms and legs.

**EYE PROTECTION:** Not required under normal conditions of use. However, if misting or splashing conditions exist, then safety glasses or chemical splash goggles are advised.

**VENTILATION:** Good general ventilation should be sufficient for most conditions.

**ENGINEERING CONTROLS:** Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV (s).

ALIPHATIC PETROLEUM DISTILLATES (64742-65-0)  
OSHA VPEL 5.000 Mg/m<sup>3</sup>—TWA OIL MIST  
ACGIH TLV 5.000 mg/m<sup>3</sup>—TWA OIL MIST

**HYGIENIC WORK PRACTICES:** Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder contaminated clothing before using again. Launder or discard contaminated leather gloves and shoes.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES.

BOILING POINT: No Data  
VAPOR PRESSURE: No Data  
LIQUID DENSITY: 7.220 lbs/gal @ 60.00 F  
867 kg/l @ 15.60 C  
APPEARANCE: No Data  
STATE: Liquid  
pH: No Data

SPECIFIC GRAVITY: .867 @ 60.00 F  
VAPOR DENSITY: No Data  
PERCENT VOLATILES (Including Water): N/A  
EVAPORATION RATE: Slower than Ethyl Ether  
ODOR: Petroleum  
PHYSICAL FORM: No Data  
VISCOSITY: > 7.0 CST @ 100 C  
<= 56.0 CST @ 40 C

FLASHPOINT: >347° F. 175°C COC  
EXPLOSIVE LIMIT: No Data  
AUTOIGNITION TEMPERATURE: Not determined  
HAZARDOUS PRODUCTS OF COMBUSTION:  
May form: carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.

## 10. STABILITY AND REACTIVITY.

HAZARDOUS POLYMERIZATION:  
Product will not undergo hazardous polymerization.

HAZARDOUS DECOMPOSITION:  
May form: carbon dioxide and carbon monoxide, oxides of sulfur, nitrogen and phosphorus, various hydrocarbons.

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION.

TARGET ORGAN EFFECTS: No Data

DEVELOPMENTAL INFORMATION: There are no data available for assessing risk to the fetus from maternal exposure to this material.

CANCER INFORMATION: Based on the available information, this material cannot be classified with regard to carcinogenicity.

PRIMARY ROUTE (S) OF ENTRY: Inhalation, Skin contact, Eye contact, Ingestion

NOTE TO PHYSICIAN: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin.

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## **12. ECOLOGICAL INFORMATION.**

NO DATA AVAILABLE

## **13. DISPOSAL CONSIDERATIONS.**

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state and federal and national regulations.

## **14. TRANSPORT INFORMATION.**

This material is not subjected to the transport regulations of dangerous substances.

## **15. REGULATORY INFORMATION.**

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313**

This product has been reviewed according to the 40 CFR 372 promulgated under Sections 313 of the SARA Title III and is considered, under applicable definitions, to have not no chemical which is listed in Section 313 above the minimum concentrations.

**PENNSYLVANIA RIGHT TO KNOW, HAZARDOUS SUBSTANCE SURVEY**

This product is not known to contain any substances subject to the disclosure requirements of Pennsylvania.

**SARA HAZARD CATEGORY:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 & 312 of the SARA Title III and is considered, under applicable definitions, to have not met any hazard category.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All ingredients are on the TSCA inventory or are listed on the TSCA inventory.

**CERCLA/SUPERFUND:** Releases of this material are not reportable to the Environmental National Response Center under CERCLA/Superfund or to state and local response emergency planning committees under the Superfund amendments Compensation & Reauthorization Act (SARA) Title III, Section 304. Liability Act (40 CFR 302.4)

**OSHA HAZARD COMMUNICATIONS STANDARD:** This product is not a "Hazardous Chemical" as defined by the OSHA Hazardous Communication Standard, 29 CFR 1910.1200



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## **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.