



## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### Product identifier:

Identification as on the label/Trade name: Berkebile DOT 4 Brake Fluid

Product codes: B2900, B2901, B2902, B2905, B29055

### Relevant identification uses of the substance and uses advised against:

Identified uses: Automotive brake fluid.

Uses advised against: No other uses are advised.

### Details of the Supplier of the Safety Data Sheet:

The Berkebile Oil Company

1216 Red Brant Rd

Somerset, PA 15501

+1-(814)-443-1656

### Emergency telephone numbers:

24-hour Emergency Contact:

CHEMTREC 24-hour: +1-800-424-9300 (USA)

## Section 2: Hazards Identification

### Classification of the substances or mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

### Hazard classes/Hazard categories:

Eye irritant (Category 2)

### Label elements:

#### Hazard pictogram:



Signal word: Warning.

#### Hazard statements:

H319 Causes serious eye irritation.

#### Precautionary statements:

##### Prevention

P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.

P280 Wear eye protection.

##### Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P317 If eye irritation persists: Get medical help.



### Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification
	EC-No.			EC1272/2008
2-(2-butoxyethoxy)ethanol diethylene glycol monobutyl ether	112-34-5	1-10%	-	Eye Irrit. 2 H319
	203-961-6			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### Section 4: First-Aid Measures

**Description of first aid measures:**

**Inhalation:** Remove to fresh air. Keep warm and at rest.

**Skin:** Remove contaminated clothing. Immediately wash skin with soap and water. Get medical attention if skin cracking or redness occurs.

**Eyes:** Immediately flush eye with large quantities of water for at least 10 minutes holding the eye open. Avoid contaminating unaffected eye.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Keep patient warm and at rest. Give 240-300 ml water to drink (only if patient is conscious). Repeat if patient vomits. Get medical attention if patient is unwell. Get medical attention if a large quantity is ingested.

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

Causes serious eye irritation.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### Section 5: Fire-Fighting Measures

**Extinguisher media:**

**Suitable extinguishing media:** Alcohol-resistant foam, dry chemical powder, carbon dioxide, water mist.

**Unsuitable extinguishing media:** Water jet.

**Protective equipment:** Full protective clothing and self-contained breathing apparatus.

**Special hazards:** Hazardous combustion products may include carbon monoxide.

### Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Evacuate all non-essential personnel. Avoid eye and skin contact. Wear appropriate protective clothing. Ventilate area.

**Environmental precautions:** Keep away from drains, water and soil. Advise authorities if spilled material has entered water courses or sewer or has contaminated soil or vegetation.



**Methods for containment and cleaning up:**

Absorb or contain liquid with sand, earth or spill control material. Collect and place in a labelled sealable container for subsequent safe disposal. Flush contaminated area with plenty of water.

## Section 7: Handling and Storage

**Precautions for safe handling:**

Avoid contact with skin and eyes. Do not breathe vapors. Only use in well-ventilated areas. Keep container tightly closed when not in use. Provide emergency eye washing and shower facilities.

**Conditions for safe storage, including incompatibilities:**

Storage area should be cool and dry. Keep away from direct sunlight.

**Specific end uses:** Refer to Section 1.

## Section 8: Exposure Controls and Personal Protection

**Control parameters:**

**Occupational exposure limits:** Does not contain any substances with Occupational Exposure Limits.

**Exposure controls:**

**Appropriate engineering controls:** Use local exhaust ventilation if concentrations in air could exceed occupational exposure standard.

**Individual protection measures, such as personal protective equipment:**

**Eye protection:** Protective goggles with side-shields.

**Hand protection:** Gloves made from butyl rubber, neoprene rubber or nitrile rubber.

**Body protection:** Neoprene apron. Rubber boots.

**Respiratory protection:** No special respiratory protection required.

**General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

## Section 9: Physical and Chemical Properties

**Information on basic physical and chemical properties:**

**Appearance (form):** Liquid.

**Color:** Amber.

**Odor:** Etheric.

**Odor threshold:** No data available.

**pH:** 10.5

**Melting point/range (°C):** No data available.

**Boiling point/range (°C):** >230 °C

**Flash point (°C):** 203 °C

**Evaporation rate:** No data available.

**Flammability:** No data available.

**Upper/lower flammability limits:** No data available.

**Vapor pressure (20 °C):** No data available.

**Relative density (25 °C):** 1.06

**Water solubility (g/L) at 20 °C:** No data available.



**n-Octanol/Water partition coefficient:** No data available.  
**Auto-ignition temperature:** No data available.  
**Viscosity, dynamic (mPa.s):** <1,500

## Section 10: Stability and Reactivity

**Reactivity:** No specific test data related to reactivity available for this product or its ingredients.  
**Chemical stability:** Stable under recommended conditions of use and storage.  
**Conditions to avoid:** High temperatures, prolonged exposure to air and light.  
**Incompatible materials:** Oxidizing agents.  
**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous combustion products may include oxides of carbon on combustion.

## Section 11: Toxicological Information

### Information on toxicological effects:

**Acute toxicity:** No data available.  
**Skin corrosion/irritation:** No data available.  
**Serious eye damage/irritation:** Cause serious eye irritation.  
**Respiratory or skin sensitization:** No data available.  
**Germ cell mutagenicity:** No data available.  
**Carcinogenicity:** Not listed by ACGIH, IARC, NTP, or California Proposition 65.  
**Reproductive toxicity:** No data available.  
**STOT-single exposure:** No data available.  
**STOT-repeated exposure:** No data available.  
**Aspiration hazard:** No data available.

## Section 12: Ecological Information

**Toxicity:** No data available.  
**Persistence and degradability:** No data available.  
**Bioaccumulative potential:** No data available.  
**Mobility in soil:** No data available.  
**Results of PBT& vPvB assessment:** No data available.

## Section 13: Disposal Considerations

**Product:** Dispose of in accordance with all local regulations.  
**Contaminated packaging:** Recycle if possible. Drain container thoroughly. After draining, vent in a safe place. Send to drum recover or metal reclaimer.



## Section 14: Transport Information

**UN number:** -

**UN proper shipping name:** Not regulated as dangerous goods.

**Transport hazard class:** -

**Packing group:** -

**Environmental hazards:** -

**Special precautions for user:** Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

**Transport in bulk according to Annex II of Marpol and the IBC Code:** Not applicable.

## Section 15: Regulatory Information

### Safety, health and environmental regulations/legislation for the mixture:

**Relevant information regarding restrictions:** None known.

**EU Regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]

**US Regulations:**

**SARA Title III Section 302/304 Extremely Hazardous Substance:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA Title III Section 311/312 Hazard Categorization:** Acute Health Hazard.

**SARA Title III Section 313 Supplier Information:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**CERCLA Section 102(a) Hazardous Substance:** This material does not contain any chemical components with CERCLA reportable quantities.

**California Proposition 65:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Chemical Safety Assessment carried out:** No.

## Section 16: Other Information

**Indication of changes:** GHS aligned.

**Relevant classification and H statements (number and full text):**

H319 Causes serious eye irritation.

**Further information:** This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Disclaimer:** Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.