

## Material Safety Data Sheet

Print Date: 02/14/2006

Revision Date : 02/14/2006

Version : 1.0

Trade name: **Original ATE Brake Fluid SL.6**

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Original ATE Brake Fluid SL.6  
MSDS Number : 888100003242  
Product Use Description : Hydraulic fluid  
Company : **Continental Teves AG & Co. oHG**  
**Guerickestr. 7**  
**60488 Frankfurt a. M.**  
**Germany**  
Telephone : + 49 69 76 03 1  
Telefax : + 49 69 76 10 61  
Contact person : Central Environment & Safety , Central Laboratory  
Emergency telephone number : + 49 61 32 84 46 3

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

**Regulatory status** : This product, material or substance is a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Signal Word : CAUTION  
Form : liquid  
Odour : characteristic  
Odour - Control parameters : no data available  
Hazard Summary : Irritant

#### Potential Health Effects

Eyes : May cause eye irritation.

Target Organs : Eyes

Carcinogenicity:

NTP : No component of this product which is present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

IARC : No component of this product which is present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

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- OSHA : No component of this product which is present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.
- CA Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component  | CAS-No.  | Weight %     |
|--|----------|--------------|
| 2-(2-(2-Methoxyethoxy)ethoxy)ethanol                           | 112-35-6 | >= 10 - < 30 |
| 2-(2-(2-Butoxyethoxy)ethoxy)ethanol                            | 143-22-6 | >= 5 - < 10  |
| 2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether | 111-77-3 | >= 1 - < 5   |
| 1,1'-iminodipropan-2-ol; di-isopropanolamine                   | 110-97-4 | >= 1 - < 5   |

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### SECTION 4. FIRST AID MEASURES

- General advice : Take off all contaminated clothing immediately. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person.
- Inhalation : Remove to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.
- Skin contact : Wash off with soap and water.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label.

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### SECTION 5. FIRE-FIGHTING MEASURES

- Form : liquid
- Flash point : > 130 °C (> 266 °F)  
Method: ISO 2719
- Ignition temperature : > 200 °C (> 392 °F)  
Method: DIN 51794

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|--|---|---|
| Suitable extinguishing media                   | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| Specific hazards during fire fighting          | : | Fire will produce dense black smoke containing hazardous combustion products (see heading 10).<br>Exposure to decomposition products may be a hazard to health.   |
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus.  |
| Further information                            | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- |                           |   |  |
|---------------------------|---|--|
| Personal precautions      | : | Refer to protective measures listed in sections 7 and 8.   |
| Environmental precautions | : | Prevent product from entering drains.<br>If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods for cleaning up   | : | Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. |
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### SECTION 7. HANDLING AND STORAGE

#### Handling

- |                      |   |   |
|----------------------|---|---|
| Handling             | : | Provide sufficient air exchange and/or exhaust in work rooms.<br>Take precautionary measures against static discharges. |
| Dust explosion class | : | not applicable  |

#### Storage

- |   |   |   |
|---|---|---|
| Requirements for storage areas and containers | : | Keep container tightly closed in a dry and well-ventilated place. |
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### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines

| Components   | CAS-No.  | List       | Type: | Value               |
|--|----------|------------|-------|---------------------|
| mequinol; 4-methoxyphenol; hydroquinone monomethyl ether | 150-76-5 | OEL (QUE)  | TWA   | 5 mg/m <sup>3</sup> |
|  |          | CAD AB OEL | TWA   | 5 mg/m <sup>3</sup> |
|  |          | CAD BC OEL | TWA   | 5 mg/m <sup>3</sup> |
|  |          | CAD ON OEL | TWA   | 5 mg/m <sup>3</sup> |

- Engineering measures : Provide adequate ventilation.
- Eye protection : safety glasses with side-shields conforming to EN166
- Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.  
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : liquid
- Odour : characteristic
- Flash point : > 130 °C (> 266 °F)  
Method: ISO 2719
- Ignition temperature : > 200 °C (> 392 °F)  
Method: DIN 51794
- Thermal decomposition : No decomposition if stored and applied as directed.
- Solidification / Setting point : < -50 °C (< -58 °F)  
Method: ISO 3016

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Boiling point/range : 265 °C(509 °F)  
Method: ASTM D 1120-72

Vapour pressure : < 1 mbar  
at 50 °C (122 °F)

Density : ca.1.06 g/cm<sup>3</sup>  
at 20 °C (68 °F)

Water solubility : soluble

VOC : 26.26 %

### SECTION 10. STABILITY AND REACTIVITY

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

Thermal decomposition : No decomposition if stored and applied as directed.

Hazardous reactions : Note: No decomposition if stored and applied as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat  
Dose: > 2,000 mg/kg

Acute toxicity (other routes of administration) : no data available

Skin irritation : Result: No skin irritation  
No known irritant effect.

Eye irritation : Result: Mild eye irritation  
Strong lachrymation can make it difficult to escape

Carcinogenicity : No data is available on the product itself.

Toxicity to reproduction : No data is available on the product itself.

Teratogenicity : No data is available on the product itself.

**Component:**

2-(2-(2-Methoxyethoxy)ethoxy)ethanol

112-35-6

Acute oral toxicity: LD50 rat  
Dose: 11,850 mg/kg

Acute dermal toxicity: LD50 rabbit

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|   |                 |   |
|---|-----------------|---|
|   |                 | <p>Dose: 7,448 mg/kg</p> <p><u>Skin irritation</u>: Classification: Irritating to skin.<br/>Result: Mild skin irritation</p> <p><u>Eye irritation</u>: Classification: Irritating to eyes.<br/>Result: Mild eye irritation</p>  |
| <p>2-(2-(2-Butoxyethoxy)ethoxy)ethanol</p>                                    | <p>143-22-6</p> | <p><u>Acute oral toxicity</u>: LD50 rat<br/>Dose: 5,300 mg/kg</p> <p><u>Skin irritation</u>: Classification: Irritating to skin.<br/>Result: Skin irritation</p> <p><u>Eye irritation</u>: Classification: Irritating to eyes.<br/>Result: Risk of serious damage to eyes.</p>  |
| <p>2-(2-methoxyethoxy)ethanol;<br/>diethylene glycol monomethyl<br/>ether</p> | <p>111-77-3</p> | <p><u>Acute oral toxicity</u>: LD50 rat<br/>Dose: ca. 6,500 mg/kg</p> <p><u>Acute dermal toxicity</u>: LD50 rat<br/>Dose: ca. 6,450 mg/kg</p> <p><u>Acute inhalation toxicity</u>: LC50 rat<br/>Dose: &gt; 200 mg/l<br/>Exposure time: 1 h</p> <p><u>Skin irritation</u>: No skin irritation<br/><u>Eye irritation</u>: No eye irritation</p> |
| <p>1,1'-iminodipropan-2-ol; di-<br/>isopropanolamine</p>                      | <p>110-97-4</p> | <p><u>Acute oral toxicity</u>: LD50 rat<br/>Dose: 4,765 mg/kg</p> <p><u>Skin irritation</u>: Classification: Irritating to skin.<br/>Result: Mild skin irritation</p> <p><u>Eye irritation</u>: Classification: Risk of serious damage to eyes.<br/>Result: blindness</p>   |

### SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish : LC50  
Species: Leuciscus idus (Golden orfe)  
Dose: > 100 mg/l  
Exposure time: 96 h

Adsorbed organic bound halogens (AOX) : not included

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Volatile organic compounds : 26.26 %  
(VOC) content  
Additional ecological : no data available  
information

### SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

### SECTION 14. TRANSPORT INFORMATION

#### DOT 49 CFR

Not dangerous goods

#### TDGR

Not dangerous goods

#### ICAO / IATA-DGR

Not dangerous goods

#### IMDG-Code

Not dangerous goods

### SECTION 15. REGULATORY INFORMATION

**TSCA Status** : On TSCA Inventory

**DSL Status** : This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

Poly(oxy-1,2-ethanediyl), .alpha.- 71243-41-9  
hydro-.omega.-hydroxy-, ester with  
boric acid (H3BO3), methyl ether

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

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**WHMIS Classification** : D2B Toxic Material Causing Other Toxic Effects  
Moderate eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### SECTION 16. OTHER INFORMATION

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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