

Material Safety Data Sheet

Print Date: 03/02/2007

Revision Date : 03/02/2007

Version : 3.0

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

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Original ATE Brake Fluid SL.6
MSDS Number : 888100004948
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, or any other reproductive defects.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
2-(2-(2-Methoxyethoxy)ethoxy)ethanol	112-35-6	>= 20 - < 25
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutyl ether; butoxytriethylene glycol	143-22-6	>= 5 - < 7
2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether	111-77-3	>= 1.5 - < 2
1,1'-iminodipropan-2-ol; di-isopropanolamine	110-97-4	>= 1.5 - < 2

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.

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.
- 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.
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.
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.
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

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Exposure Guidelines

Components	CAS-No.	List	Type:	Value
mequinol; 4-methoxyphenol; hydroquinone monomethyl ether	150-76-5	OEL (QUE)	TWA	5 mg/m3
		CAD AB OEL	TWA	5 mg/m3
		CAD BC OEL	TWA	5 mg/m3
		CAD ON OEL	TWA	5 mg/m3

- 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
- Boiling point/range : 265 °C(509 °F)
Method: ASTM D 1120-72
- Vapour pressure : < 1 mbar
at 50 °C (122 °F)

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Density : ca.1.06 g/cm³
at 20 °C (68 °F)
Water solubility : soluble
Volatile organic compounds
(VOC) content : 26.26 %

SECTION 10. STABILITY AND REACTIVITY

Hazardous decomposition products : Carbon dioxide (CO₂)
Carbon monoxide
nitrogen oxides (NO_x)
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
Dose: 7,448 mg/kg

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation

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

SECTION 12. ECOLOGICAL INFORMATION

Toxicity to fish	:	<p>LC50 Species: Leuciscus idus (Golden orfe) Dose: > 100 mg/l Exposure time: 96 h</p>
Adsorbed organic bound halogens (AOX)	:	not included
Volatile organic compounds (VOC) content	:	26.26 %
Additional ecological information	:	no data available

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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, or any other reproductive defects.

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

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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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