

## Material Safety Data Sheet

Print Date: 01/11/2006

Revision Date : 01/11/2006

Version : 1.0

Trade name: **ATE Testing Fluid 75:25**

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ATE Testing Fluid 75:25  
MSDS Number : 888100003550  
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 material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

#### Potential Health Effects

Eyes : Causes eye irritation.  
Skin : Causes skin irritation.  
Target Organs : Eyes  
Skin

Carcinogenicity:

NTP : No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.

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

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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'-(Ethylenedioxy)diethanol	112-27-6	>= 10 - < 30
Poly(oxy-1,2-ethanediyl),.alpha.-butyl-.omega.-hydroxy	9004-77-7	>= 5 - < 10
3,6,9-Trioxaundecane-1,11-diol	112-60-7	>= 5 - < 10
2,4,6-tri-sec-Butylphenol	5892-47-7	>= 1 - < 5
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	>= 1 - < 5

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### SECTION 4. FIRST AID MEASURES

- |                |  |
|----------------|--|
| General advice | : Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Remove from exposure, lie down. |
| Inhalation     | : Move to fresh air in case of accidental inhalation of vapours or decomposition products. 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.  |
| Ingestion      | : If swallowed, seek medical advice immediately and show this container or label. If a person vomits when lying on his back, place him in the recovery position.   |

## Material Safety Data Sheet

Print Date: 01/11/2006

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Version : 1.0

Trade name: **ATE Testing Fluid 75:25**

### SECTION 5. FIRE-FIGHTING MEASURES

- Form : liquid
- Flash point : > 130 °C (> 266 °F)  
Method: DIN 51376
- Ignition temperature : > 200 °C (> 392 °F)  
Method: DIN 51794
- Lower explosion limit : 1.5 %(V)
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which must not be used for safety reasons : high volume water jet
- Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see heading 10).
- Special protective equipment for fire-fighters : Use personal protective equipment.  
Wear self-contained breathing apparatus and protective suit.  
complete suit protecting against chemicals
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Standard procedure for chemical fires.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.  
Ventilate the area.  
Avoid contact with skin, eyes and clothing.  
Avoid inhalation of vapour or mist.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

## Material Safety Data Sheet

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### SECTION 7. HANDLING AND STORAGE

#### Handling

- Handling : For personal protection see section 8.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : not applicable

#### Storage

- Requirements for storage areas and containers : Store in original container.  
Keep containers tightly closed in a dry, cool and well-ventilated place.
- Advice on common storage : Never allow product to get in contact with water during storage.  
Keep away from food, drink and animal feeding stuffs.  
Keep away from oxidising agents, strongly acid or alkaline materials and amines.
- Storage temperature : 5 - 30 °C (41 - 86 °F)
- Other data : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Guidelines

- Contains no substances with occupational exposure limit values.
- Engineering measures : Provide adequate ventilation.
- Eye protection : In case of splash hazard, wear protective goggles.
- 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

## Material Safety Data Sheet

Print Date: 01/11/2006

Revision Date : 01/11/2006

Version : 1.0

Trade name: **ATE Testing Fluid 75:25**

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|                        | gloves with the glove manufacturer.   |
| Respiratory protection | : In case of insufficient ventilation wear suitable respiratory equipment.<br>respirator with A filter<br>Respirator with a vapour filter (EN 141)  |
| Hygiene measures       | : Handle in accordance with good industrial hygiene and safety practice.<br>Please thoroughly clean and care for the skin after finishing work.<br>Wash contaminated clothing before re-use.<br>When using, do not eat, drink or smoke. |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- |                       |   |
|-----------------------|---|
| Form                  | : liquid  |
| Odour                 | : characteristic  |
| Flash point           | : > 130 °C (> 266 °F)<br>Method: DIN 51376                    |
| Ignition temperature  | : > 200 °C (> 392 °F)<br>Method: DIN 51794                    |
| Lower explosion limit | : 1.5 %(V)  |
| pH                    | : 7.5 - 9<br>at 20 °C (68 °F)                                 |
| Boiling point/range   | : > 265 °C(> 509 °F)  |
| Vapour pressure       | : < 0.1 mbar<br>at 20 °C (68 °F)                              |
| Density               | : 1.05 g/cm <sup>3</sup><br>at 20 °C (68 °F)Method: DIN 51757 |
| Water solubility      | : at 20 °C (68 °F)<br>partly soluble                          |
| Viscosity, kinematic  | : 40 mm <sup>2</sup> /s<br>at 20 °C (68 °F)                   |

## Material Safety Data Sheet

Print Date: 01/11/2006

Revision Date : 01/11/2006

Version : 1.0

Trade name: **ATE Testing Fluid 75:25**

VOC : 14.59 %

### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : no data available  
 Materials to avoid : strong acids and oxidizing agents  
 Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.  
 Hazardous reactions : Note: No decomposition if used as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : no data available  
 Skin irritation : no data available  
 Eye irritation : no data available  
 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

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation

2,2'-(Ethylenedioxy)diethanol

112-27-6

Acute oral toxicity: LD50 rat  
Dose: 17,000 mg/kg

Acute dermal toxicity: LD50 rat  
Dose: > 5,000 mg/kg

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

## Material Safety Data Sheet

Print Date: 01/11/2006

Revision Date : 01/11/2006

Version : 1.0

Trade name: **ATE Testing Fluid 75:25**

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation

Poly(oxy-1,2-ethanediyl),.alpha.-butyl-.omega.-hydroxy      9004-77-7

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

Eye irritation: Classification: Irritating to eyes.  
Result: Risk of serious damage to eyes.

3,6,9-Trioxaundecane-1,11-diol      112-60-7

Acute oral toxicity: LD50 rat  
Dose: 29,000 mg/kg

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation

2-(2-butoxyethoxy)ethanol;  
diethylene glycol monobutyl ether      112-34-5

Acute oral toxicity: LD50 rat  
Dose: 5,660 mg/kg

Acute dermal toxicity: LD50 rabbit  
Dose: 4,120 mg/kg

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation  
Eye irritation

### SECTION 12. ECOLOGICAL INFORMATION

Physico-chemical removability : > 70 %  
readily eliminated

Bioaccumulation : no data available

Adsorbed organic bound halogens (AOX) : not included

Volatile organic compounds (VOC) content : 14.59 %

Additional ecological information : Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Component:**

2-(2-butoxyethoxy)ethanol;  
diethylene glycol monobutyl ether      112-34-5

Toxicity to fish:  
LC0  
Species: Leuciscus idus (Golden orfe)  
Dose: > 1,000 mg/l

## Material Safety Data Sheet

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Exposure time: 48 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia magna (Water flea)

Dose: > 100 mg/l

Exposure time: 48 h

Toxicity to algae:

IC50

Species: scenedesmus subspicatus

Dose: > 100 mg/l

Exposure time: 24 h

Toxicity to bacteria:

EC10

Species: Pseudomonas putida

Dose: 1,170 mg/l

Exposure time: 16 h

### 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

**OSHA Hazards** : Severe skin irritant  
Severe eye irritant

**TSCA Status** : Not On TSCA Inventory

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Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate 30989-05-0  
 Diglycerol propoxylated 61710-63-2

**DSL Status** : This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Diglycerol propoxylated 61710-63-2

**SARA 313 Components** : 2-(2-(2-Methoxyethoxy)ethoxy)ethanol 112-35-6  
 2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether 111-77-3

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA III** US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

<u>Components</u>	<u>CAS-No.</u>
2-(2-(2-Methoxyethoxy)ethoxy)ethanol	112-35-6
2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether	111-77-3

**PENN RTK** US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
3,6,9-Trixaundecane-1,11-diol	112-60-7
Poly(oxy-1,2-ethanediyl),.alpha.-butyl-.omega.-hydroxy	9004-77-7
2,2'-oxybisethanol diethylene glycol	111-46-6
2,2'-(Ethylenedioxy)diethanol	112-27-6
2-(2-(2-Methoxyethoxy)ethoxy)ethanol	112-35-6
Diglycerol propoxylated	61710-63-2
3,6,9,12-Tetraoxotridecanol	23783-42-8
Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate	30989-05-0

**NJ RTK** US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
2,2'-(Ethylenedioxy)diethanol	112-27-6
2-(2-(2-Methoxyethoxy)ethoxy)ethanol	112-35-6
Diglycerol propoxylated	61710-63-2
3,6,9,12-Tetraoxotridecanol	23783-42-8
Tris[2-[2-(2-methoxyethoxy)ethoxy]ethyl] orthoborate	30989-05-0

## Material Safety Data Sheet

Print Date: 01/11/2006

Revision Date : 01/11/2006

Version : 1.0

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

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### 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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