

Material Safety Data Sheet

Print Date: 12/13/2005

Revision Date : 12/13/2005

Version : 1.0

Trade name: **ATE LHM Plus**

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ATE LHM Plus
MSDS Number : 888100003553
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.

Skin : May cause skin irritation.

Target Organs : Eyes
Skin
Respiratory system

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 %
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified	72623-86-0	>= 60 - <= 100
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified	64742-46-7	>= 10 - < 30

SECTION 4. FIRST AID MEASURES

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|----------------|--|
| 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. |
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SECTION 5. FIRE-FIGHTING MEASURES

- | | |
|------------------------|--|
| Form | : liquid |
| Flash point | : > 110 °C (> 230 °F) |
| Suitable extinguishing | : Use water spray, alcohol-resistant foam, dry chemical or |
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media	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).

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
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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 gloves with the glove manufacturer.

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
respirator with A filter
Respirator with a vapour filter (EN 141)

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Please thoroughly clean and care for the skin after finishing work.
Wash contaminated clothing before re-use.
When using, do not eat, drink or smoke.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Odour	: characteristic
Flash point	: > 110 °C (> 230 °F)
pH	: not applicable
Melting point/range	: < -50 °C (< -58 °F)
Boiling point/range	: 250 - 380 °C(482 - 716 °F)
Vapour pressure	: < 0.1 kPa at 20 °C (68 °F)
Relative vapour density	: not determined
Density	: 0.83 g/cm ³ at 20 °C (68 °F)
Water solubility	: insoluble
Partition coefficient (n-octanol/water)	: log Pow: > 3 Method: OECD Test Guideline 107
Viscosity, kinematic	: 18 mm ² /s at 40 °C (104 °F) Method: ASTM D 445
VOC	: 15.12 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Direct sources of heat.
Materials to avoid	: strong acids and oxidizing agents
Hazardous decomposition products	: Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke.
Hazardous reactions	: Note: No decomposition if used as directed.

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SECTION 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity : LD50 rat
Dose: > 5,000 mg/kg
Effects due to ingestion may include:
vomiting

- Acute dermal toxicity : LD50 rabbit
Dose: > 2,000 mg/kg

- Skin irritation : Result: Mild skin irritation
May cause skin irritation in susceptible persons.

- Eye irritation : Result: Mild eye irritation
The liquid splashed in the eyes may cause irritation and reversible damage.

- 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:

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified 72623-86-0

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

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

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

Distillates (petroleum), hydrotreated middle; Gasoil - unspecified 64742-46-7

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

Acute dermal toxicity: LD50 rabbit
Dose: > 2,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 7.64 mg/l
Exposure time: 4 h

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

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

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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 : 15.12 %

Additional ecological
information : The product should not be allowed to enter drains, water
courses or the soil.

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

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DSL Status : All components of this product are on the Canadian DSL list.

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 skin irritant
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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