

SAFETY DATA SHEET

according to EC directive 91/155/EEC

Print Date: 19.12.2005

Revision Date : 19.12.2005

Version : 1.0

Trade name: **ATE Cylinder Paste**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : ATE Cylinder Paste
 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

Use

Specific use(s) : technical preservative and anti-corrosion agent

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

formulated product, Additives, Solvent mixture

Hazardous components

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
2,4,6-tri-sec-Butylphenol	5892-47-7		Xi; R38 N; R51/53	7 - < 10
2,2'-(Octylimino)bisethanol	15520-05-5		Xn; R22 Xi; R38 Xi; R41	1 - < 3

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

R-phrase(s) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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.

5. FIRE-FIGHTING MEASURES

- 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.

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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).

7. HANDLING AND STORAGE

Handling

- Advice on safe 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
- Remarks : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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Engineering measures

General advice : Provide adequate ventilation.

Personal protective equipment

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

Hand protection

Glove thickness : 0,7 mm
Break through time : 480 min
Directive : DIN EN 374
Material : butyl-rubber
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.

Eye protection : In case of splash hazard, wear protective goggles.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : paste

Colour : yellow

Odour : characteristic

Safety data

pH : 8 - 9
at (20 °C)

Boiling point/range : > 300 °C
at 1.013 mbar

Flash point : > 145 °C

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	Method: ISO 2719
<u>Ignition temperature</u>	: > 300 °C
<u>Lower explosion limit</u>	: not applicable
<u>Upper explosion limit</u>	: not applicable
<u>Vapour pressure</u>	: < 0,1 mbar at 20 °C
<u>Density</u>	: 1 g/cm ³ at 20 °C Method: DIN 51757
<u>Bulk density</u>	: not applicable
<u>Water solubility</u>	: at 20 °C insoluble
<u>Partition coefficient (n-octanol/water)</u>	: not applicable
<u>Viscosity, kinematic</u>	: 600 - 800 mm ² /s at 20 °C
<u>Relative vapour density</u>	: not applicable

10. STABILITY AND REACTIVITY

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

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 7.105 mg/kg
Effects due to ingestion may include:
vomiting

Eye irritation : no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50Species: Brachydanio rerio (zebra fish)
Dose: > 100 mg/l
Exposure time: 96 h

Further information on ecology

Adsorbed organic bound halogens (AOX) : not included

Other ecotoxicological advice : Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

13. DISPOSAL CONSIDERATIONS

Advice on disposal and packaging : Disposal:
Where possible recycling is preferred to disposal or incineration.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

EU Waste code: EWC : Waste Key (unused product) :
160113, brake fluids

Waste key (used product) :
160113, brake fluids

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Disposal of uncleaned packaging : Waste key (uncleaned packaging) :
150110, packaging containing residues of or contaminated by
dangerous substances
Remarks:

Empty containers should be taken for local recycling or waste
disposal.
Clean container with water.

14. TRANSPORT INFORMATION

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

15. REGULATORY INFORMATION

Labelling according to EC Directives

R-phrase(s) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S56 Dispose of this material and its container to hazardous or special waste collection point.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

VOC: : Directive 1999/13/EC
0,39 %
Volatile CMR compounds [%]: 0 %
Volatile halogenated compounds / R40 [%]: 0 %
VOC content less water: 3,93 g/l

National legislation

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16. OTHER INFORMATION

R-phrases corresponding to the number shown in section 2 :

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.