

## \* 1 Identification

### Product identifier

**Trade name:** ATE Brake Cylinder Paste

**Article number:** 03.9902-05xx.x / 7000xx

**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture** Technical preservative and anti-corrosion agent

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

AUMOVIO Aftermarket GmbH

Guerickestr. 7

60488 Frankfurt a. M.

Germany

Tel: +49-69-76031

Importer:

Name:

Address:

Phone:

e-Mail:

### Further information obtainable from:

Hazardous Substances Management Aftermarket, Central Materials Laboratory  
ate.sicherheit@aumovio.com

### Emergency telephone number:

INFOTRAC

+1-352-323-3500 (International)

+65 3163 5349 (National)

## \* 2 Hazards identification

### Classification of the substance or mixture

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

#### Label elements

#### GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

#### Hazard pictograms



GHS09

#### Signal word

#### Hazard statements

H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

SG



# Safety Data Sheet

## according SS 586 : Part 3

Page 2/8

Printing date 23.01.2026

Version number 8.0

Revision: 01.11.2025

### Trade name: ATE Brake Cylinder Paste

(Contd. of page 1)

#### Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

## 3 Composition/information on ingredients

#### Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

5892-47-7	2,4,6-Tri-sec-butylphenol Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Skin Irrit. 2, H315	<10%
15520-05-5	2,2'-(Octylimino)bisethanol Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	<3%
85507-95-5	9-Oxa-decanoic acid (Z)-compd. with N-coco alkyl-1,1'-iminobis(2-propanol) Aquatic Acute 1, H400 (M=1); Skin Irrit. 2, H315	<1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

## 4 First-aid measures

#### Description of first aid measures

General information: Remove contaminated clothes and shoes immediately.

After inhalation: Supply fresh air and to be sure call for a doctor.

#### After skin contact:

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

#### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Call a doctor immediately.

#### Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 Fire-fighting measures

#### Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

#### Special hazards arising from the substance or mixture

May be released in case of fire: CO, CO<sub>2</sub>, NO<sub>x</sub>

#### Advice for firefighters

#### Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

SG

(Contd. on page 3)



# Safety Data Sheet

## according SS 586 : Part 3

Page 3/8

Printing date 23.01.2026

Version number 8.0

Revision: 01.11.2025

Trade name: ATE Brake Cylinder Paste

(Contd. of page 2)

### 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

#### Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

#### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose of the material collected according to regulations.

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

#### Precautions for safe handling

Open and handle receptacle with care.

**Information about fire - and explosion protection:** Temperature class: T2

#### Conditions for safe storage, including any incompatibilities

##### Storage:

**Requirements to be met by storerooms and receptacles:** Store cool and dry.

##### Information about storage in one common storage facility:

Store away from flammable substances.

Store away from foodstuffs.

##### Further information about storage conditions:

This product is hygroscopic.

Store in dry conditions.

**Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

#### Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### Exposure controls

**Additional information about design of technical facilities:** No further data; see section 7.

#### Personal protective equipment:

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

**Respiratory protection:** Not necessary if room is well-ventilated.

#### Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

(Contd. on page 4)

SG



# Safety Data Sheet

## according SS 586 : Part 3

Printing date 23.01.2026

Version number 8.0

Revision: 01.11.2025

### Trade name: ATE Brake Cylinder Paste

(Contd. of page 3)

#### Penetration time of glove material

Butyl caoutchouc (butyl rubber): minimum breakthrough time 480 min; minimum layer thickness: 0.7 mm

NBR (nitrile rubber): minimum breakthrough time 30 min; minimum layer thickness: 0.4 mm

**Eye protection:** Safety glasses

#### Limitation and supervision of exposure into the environment

See section 6 and 7. No additional measures necessary.

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

<b>Colour:</b>	Whitish
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>pH-value at 20 °C:</b>	8.5
<b>Melting point/freezing point:</b>	Undetermined
<b>Initial boiling point and boiling range:</b>	>300 °C (FMVSS 116)
<b>Flash point:</b>	>145 °C (DIN EN 22719 / ISO 2719)
<b>Evaporation rate</b>	Not applicable.
<b>Flammability</b>	Not determined
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined
<b>Vapour pressure at 20 °C:</b>	<0.1 hPa
<b>Vapour pressure:</b>	
<b>Vapour density</b>	Not applicable
<b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
<b>Relative density</b>	
<b>water:</b>	Not determined
<b>Insoluble.</b>	
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	>300 °C (DIN 51794)
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic:</b>	Not applicable
<b>Dynamic:</b>	Not applicable

#### Other information

No further relevant information available.

**Appearance:**

Pasty

#### Important information on protection of health and environment, and on safety.

**Ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

## 10 Stability and reactivity

**Reactivity** No further relevant information available.

#### Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

(Contd. on page 5)

SG



# Safety Data Sheet

## according SS 586 : Part 3

Printing date 23.01.2026

Version number 8.0

Revision: 01.11.2025

### Trade name: ATE Brake Cylinder Paste

(Contd. of page 4)

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides (NOx)

## 11 Toxicological information

### Information on toxicological effects

#### Acute toxicity

##### LD/LC50 values relevant for classification:

The ATE values (all routes of exposure) exceeding the upper limits of classification to Category 5

##### ATE (Acute Toxicity Estimates)

Oral	LD50	>5.000 mg/kg (Calculation method)
Dermal	LD50	>5.000 mg/kg (Calculation method)

##### 5892-47-7 2,4,6-Tri-sec-butylphenol

Oral	LD50	>2,000 mg/kg (rat)
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##### 15520-05-5 2,2'-(Octylimino)bisethanol

Oral	LD50	1,157 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

#### Primary irritant effect:

**Skin corrosion/irritation** No classification is proposed, based on conclusive negative data.

**Serious eye damage/irritation** No classification is proposed, based on conclusive negative data.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

#### Additional toxicological information:

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** None.

## 12 Ecological information

### Toxicity

#### Aquatic toxicity:

##### 5892-47-7 2,4,6-Tri-sec-butylphenol

EC50	0.675 mg/l (daphnia) (OECD 202 48 h)
LC50 (static)	2.2-5 mg/L (fish) (OECD 203 96 h)
NOEC	0.0675 mg/L (algae)
ErC50 (static)	0.391 mg/L (algae) (OECD 201 72 h)
ErC10 (static)	0.258 mg/L (algae) (OECD 201 72 h)

##### 15520-05-5 2,2'-(Octylimino)bisethanol

EC50 (static)	1.35 mg/l (algae) (OECD 201 72 h)
	>100 mg/l (bacteria) (OECD 209)

(Contd. on page 6)

SG



# Safety Data Sheet

## according SS 586 : Part 3

Printing date 23.01.2026

Version number 8.0

Revision: 01.11.2025

### Trade name: ATE Brake Cylinder Paste

(Contd. of page 5)

LC50	19.1 mg/l (daphnia) (OECD 202 48 h)
	22 mg/L (fish) (OECD 203 96 h)
ErC10 (static)	0.402 mg/L (algae) (OECD 201 72 h)

#### Persistence and degradability

This product is, corresponding to the desired stability, heavily biodegradable.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

#### Results of PBT and vPvB assessment

**PBT:** Not applicable

**vPvB:** Not applicable

#### Other adverse effects

#### Additional ecological information:

#### General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

### 13 Disposal considerations

#### Waste treatment methods

Disposal should be based on the relevant state and local laws and regulations, the disposal process should avoid pollution of the environment.

#### Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

#### Uncleaned packaging:

#### Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### 14 Transport information

#### UN-Number

ADR, IMDG, IATA

UN3077

#### UN proper shipping name

ADR

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (2,4,6-Tri-sec-butylphenol)

IMDG

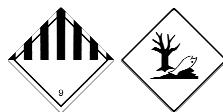
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (2,4,6-Tri-sec-butylphenol), MARINE  
POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. (containing 2,4,6-Tri-sec-butylphenol)

#### Transport hazard class(es)

ADR, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

(Contd. on page 7)

SG



# Safety Data Sheet

## according SS 586 : Part 3

**Trade name: ATE Brake Cylinder Paste**

(Contd. of page 6)

<b>Label</b>	9
<b>Packing group</b> <b>ADR, IMDG, IATA</b>	III
<b>Environmental hazards:</b>	Product contains environmentally hazardous substances: 2,4,6-Tri-sec-butylphenol
<b>Marine pollutant:</b>	Symbol (fish and tree)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special marking (IATA):</b>	Symbol (fish and tree)
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable
<b>Transport/Additional information:</b>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5 kg
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	(-)
<b>Remarks:</b>	Emergency Telephone (24/7) INFOTRAC ID 116235 +1-352-323-3500 (International) +1-800-535-5053 (North America) Special Provision 375
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5 kg
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
<b>Remarks:</b>	Emergency Telephone (24/7) INFOTRAC ID 116235 +1-352-323-3500 (International) +1-800-535-5053 (North America) Special Provision 2.10.2.7
<b>IATA</b>	
<b>Remarks:</b>	Emergency Telephone (24/7) INFOTRAC ID 116235 +1-352-323-3500 (International) +1-800-535-5053 (North America) Special Provision A197
<b>Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
<b>Danger code:</b>	90
<b>EMS Number:</b>	F-A,S-F
<b>Stowage Category</b>	A
<b>Stowage Code</b>	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

(Contd. on page 8)

SG



# Safety Data Sheet

## according SS 586 : Part 3

Printing date 23.01.2026

Version number 8.0

Revision: 01.11.2025

### Trade name: ATE Brake Cylinder Paste

(Contd. of page 7)

<b>UN "Model Regulation":</b>	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,4,6-TRI-SEC-BUTYLPHENOL), 9, III
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### \* 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.

**Poisons Act - Schedule 1**

None of the ingredients are listed.

**Poisons Act - Schedule 2, Group II**

None of the ingredients are listed.

**Health Products Act - First Schedule - Psychotropic Substances**

None of the ingredients are listed.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### \* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

It is the sole responsibility of the importer or distributor to identify and comply with all legal requirements necessary for the lawful placing of chemical products on the market in the respective target countries.

**Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Recommended restriction of use** For industrial or professional purposes only.

**Department issuing SDS:**

Hazardous Substances Management Aftermarket

ate.sicherheit@aumovio.com

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

\* Data compared to the previous version altered.