



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name:** ATE Brake Cylinder Paste

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

#### 1.2 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

#### 1.3 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

##### Further information obtainable from:

Hazardous Substances Management Aftermarket, Central Materials Laboratory

ate.sicherheit@aumovio.com

#### 1.4 Emergency telephone number:

INFOTRAC

+1-352-323-3500 (International)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

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

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified according to the CLP regulation.

##### Hazard pictograms



GHS09

**Signal word** Void

##### 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 carefully and follow all instructions.

P273 Avoid release to the environment.

P391 Collect spillage.

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

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

**PBT:** Not applicable

**vPvB:** Not applicable

EU

(Contd. on page 2)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

Trade name: ATE Brake Cylinder Paste

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 5892-47-7 EINECS: 227-572-6 Reg.nr.: 01-2119978209-24-0000	2,4,6-Tri-sec-butylphenol Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); Skin Irrit. 2, H315	<10%
CAS: 15520-05-5 EINECS: 239-555-0 Reg.nr.: 01-2120136161-71-0000 01-2120136161-71-0001	2,2'-(Octylimino)bisethanol Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	<3%
EC number: 943-381-7 Reg.nr.: 01-2120115532-69-0000	Fatty acids, C18-unsatd., compd. with 2-propanol, 1,1'-iminobis-, N-C12-18-(even numbered) alkyl derivs. Aquatic Acute 1, H400 (M=1); Skin Irrit. 2, H315; Aquatic Chronic 3, H412	< 1%

**SVHC** Contains no or < 0.1% SVHC according to Regulation (EC) No. 1907/2006 (REACH), Article 57.

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

### SECTION 4: First aid measures

#### 4.1 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.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 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

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

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

#### 5.3 Advice for firefighters

##### Protective equipment:

Wear self-contained respiratory protective device.

(Contd. on page 3)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

**Trade name: ATE Brake Cylinder Paste**

Do not inhale explosion gases or combustion gases.

(Contd. of page 2)

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

#### 6.2 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.

#### 6.3 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.

#### 6.4 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.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Open and handle receptacle with care.

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

#### 7.2 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.

**Storage class according to TRGS 510:** 11 combustible solid substances.

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

### SECTION 8: Exposure controls/personal protection

#### 8.1 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.

#### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as 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.

##### Hand protection

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

(Contd. on page 4)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

**Trade name: ATE Brake Cylinder Paste**

(Contd. of page 3)

**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.

**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/face protection** Safety glasses

**Environmental exposure controls** See section 6 and 7. No additional measures necessary.

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties**
**General Information**

<b>Physical state</b>	Solid
<b>Colour:</b>	Whitish
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Melting point/freezing point:</b>	Undetermined
<b>Boiling point or initial boiling point and boiling range</b>	>300 °C (FMVSS 116)
<b>Flammability</b>	Not determined
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined
<b>Flash point:</b>	>145 °C (DIN EN 22719 / ISO 2719)
<b>Auto-ignition temperature:</b>	>300 °C (DIN 51794)
<b>Decomposition temperature:</b>	Not determined
<b>pH at 20 °C</b>	8.5
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not applicable
<b>Dynamic:</b>	Not applicable
<b>water:</b>	Insoluble.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure at 20 °C:</b>	<0.1 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not applicable
<b>Particle characteristics</b>	See section 3.

**9.2 Other information**

<b>Appearance:</b>	No further relevant information available.
<b>Form:</b>	Pasty
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not applicable.

(Contd. on page 5)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

Trade name: ATE Brake Cylinder Paste

(Contd. of page 4)

### Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

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

No decomposition if used according to specifications.

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

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

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

**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

### LD/LC50 values relevant for classification:

#### 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)
------	------	--------------------

#### 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)

(Contd. on page 6)

EU



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

Trade name: ATE Brake Cylinder Paste

(Contd. of page 5)

**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 (carcinogenity, mutagenicity and toxicity for reproduction)** None.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients are listed.

## SECTION 12: Ecological information

**12.1 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)
	19.1 mg/l (daphnia) (OECD 202 48 h)
LC50	22 mg/L (fish) (OECD 203 96 h)
ErC10 (static)	0.402 mg/L (algae) (OECD 201 72 h)

**12.2 Persistence and degradability**

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

**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 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.

EU

(Contd. on page 7)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

Trade name: ATE Brake Cylinder Paste

(Contd. of page 6)

### SECTION 13: Disposal considerations

#### 13.1 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.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADR, IMDG, IATA

UN3077

#### 14.2 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)

#### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

9 Miscellaneous dangerous substances and articles.

Label

9

#### 14.4 Packing group

ADR, IMDG, IATA

III

#### 14.5 Environmental hazards:

Product contains environmentally hazardous substances: 2,4,6-Tri-sec-butylphenol

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

#### 14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Danger code:

90

EMS Number:

F-A,S-F

Stowage Category

A

Stowage Code

SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

(Contd. on page 8)

EU



# Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

Trade name: ATE Brake Cylinder Paste

(Contd. of page 7)

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable

**Transport/Additional information:****ADR**

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

5 kg  
Code: E1  
Maximum net quantity per inner packaging: 30 g  
Maximum net quantity per outer packaging: 1000 g

**Transport category**  
**Tunnel restriction code**  
**Remarks:**

3  
(-)  
Emergency Telephone (24/7)  
INFOTRAC ID 116235  
+1-352-323-3500 (International)  
+1-800-535-5053 (North America)  
Special Provision 375

**IMDG**

**Limited quantities (LQ)**  
**Excepted quantities (EQ)**

5 kg  
Code: E1  
Maximum net quantity per inner packaging: 30 g  
Maximum net quantity per outer packaging: 1000 g

**Remarks:**

Emergency Telephone (24/7)  
INFOTRAC ID 116235  
+1-352-323-3500 (International)  
+1-800-535-5053 (North America)  
Special Provision 2.10.2.7

**IATA****Remarks:**

Emergency Telephone (24/7)  
INFOTRAC ID 116235  
+1-352-323-3500 (International)  
+1-800-535-5053 (North America)  
Special Provision A197

**UN "Model Regulation":**

UN 3077 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S. (2,4,6-TRI-SEC-  
BUTYLPHENOL), 9, III

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients are listed.

**Seveso category** Hazardous to the Aquatic Environment

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

#### REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients are listed.

#### LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients are listed.

(Contd. on page 9)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

**Trade name: ATE Brake Cylinder Paste**

(Contd. of page 8)

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**Regulation (EU) No 649/2012**

None of the ingredients are listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients are listed.

**REGULATION (EU) 2019/1148**
**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients are listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients are listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients are listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients are listed.

**REGULATION (EU) 2024/590 on substances that deplete the ozone layer**

None of the ingredients are listed.

**National regulations:**
**Other regulations, limitations and prohibitive regulations**
**Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

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

### SECTION 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.

H412 Harmful to aquatic life with long lasting effects.

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

**Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS:**

Hazardous Substances Management Aftermarket

ate.sicherheit@aumovio.com

**Date of previous version:** 01.12.2022

**Version number of previous version:** 7.0

(Contd. on page 10)



# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 22.01.2026

Version number 8.0 (replaces version 7.0)

Revision: 01.11.2025

**Trade name: ATE Brake Cylinder Paste**

(Contd. of page 9)

**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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

SVHC: Substances of Very High Concern

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**

EU