

# Material Safety Data Sheet

## according to Regulation (EC) 1907/2006



**Product name :** AUTOL TOP 2000 BIO, Art.-no. 1660  
**Date of issue :** 03.03.1999  
**Revision :** 05.12.2013

**Version (Revision) :**

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

#### 1.1 Product identifier

AUTOL TOP 2000 BIO

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Lubricating grease.

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

**Manufacturer/Supplier :** Eni Schmiertechnik GmbH  
**Street/P.O.Box :** Paradiesstr. 14  
**Country code/Postal code/Town/City :** D – 97080 Würzburg  
**Telephone :** +49 931 900 98-0  
**Telefax :** +49 931 98442  
**Contact :** Technical Department, Tel. +49 931 900 98-145  
[technik.wuerzburg@aqjp.de](mailto:technik.wuerzburg@aqjp.de)  
[www.enischmiertechnik-datenblaetter.de](http://www.enischmiertechnik-datenblaetter.de)

#### 1.4 Emergency telephone number

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### 2. SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Regulation (EC) No 1272/2008 (GHS)**

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#### 2.2 Label elements

**Regulation (EC) No 1272/2008 (GHS)**

**Special rules for supplemental label elements for certain mixtures**

EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

None.

#### 2.4 Additional information

The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.  
The classification is based on experimental and epidemiological data or because the conventional method acc. Preparations Directive 1999/45.

### 3. SECTION 3: Composition / information on ingredients

#### 3.2 Mixtures

##### Chemical characterization

Base oil with thickener and additives.

##### Hazardous components

2,2,4-TRIMETHYL-1,2-DIHYDROCHINOLINPOLYMER ; EC-No. : 500-051-3; CAS-No. : 26780-96-1

Percentage : 1 - 10 %

Classification 67/548/EEC : R52/53

Classification 1907/2006 (GHS) : Aquatic Chronic 3 ; H412

For the wording of the listed risk phrases refer to section 16.

##### Additional information

For ingredients without any information about the EG-number we will use a generic name according to RL 1999/45/EG amendment VI.

### 4. SECTION 4: First aid measures

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### 4.1 Description of first aid measures

#### General

No particular measures required. Immediately remove all contaminated clothing.

#### After inhalation

No particular measures required. Let in fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.

#### After skin contact

First, wipe dry. Wash away with soap and water and rinse.

#### After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water. Contact a doctor immediately.

#### After ingestion

Do not induce vomiting. After first aid treatment immediately seek medical advice.

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

None known.

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

None.

## 5. SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet, foam, extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.  
Adapt extinguishing measures to suit the environment.

#### Unsuitable extinguishing media

Water.

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

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Aliphatic and aromatic pyrolysis products.  
Oxides of nitrogen (NO<sub>x</sub>). Sulphur dioxide (SO<sub>2</sub>).

### 5.3 Advice for firefighters

Appropriate breathing apparatus may be required.

### 5.4 Additional information

Do not allow the quenching water into the sewage system.

## 6. SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes. Take the precautions customary when handling chemicals.

### 6.2 Environmental precautions

Do not empty into waters or drains.

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

Caution: Slipping.  
Take-up mechanically and remove according to regulations (Chapter 13).

### 6.4 Reference to other sections

None.

## 7. SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Information for safe handling

This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Avoid contact with skin and eyes.

#### Information about protection against explosions and fires

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No particular measures required.

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

#### Requirements to be met by storerooms and containers

In accordance with local official regulations.  
The product is water polluting.

#### Information about separation of incompatible products

Reaction with oxidizing agents possible.

#### Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Observe recommended storage temperature. Avoid cooling to under 0°C.

**Storage class :** 12

**Storage class (TRGS 510) :** 12

### 7.3 Specific end use(s)

None.

## 8. SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Under non-conventional conditions oil mist can evolve. The following country specific limits are valid in this case: Finland: 5 mg/m<sup>3</sup>, Sweden: 5 mg/m<sup>3</sup>, USA: 5 mg/m<sup>3</sup>.

### 8.2 Exposure controls

#### Personal protective equipment.

##### General protective and hygiene measures

Avoid contact with skin and eyes. Immediately remove all contaminated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuff.

The usual precautionary measures for the handling of chemicals have to be observed.

##### Respiratory protection

No particular measures required.

##### Hand protection

Use protective gloves. Nitrile: thick 0,4 mm, break trough time > 240 min.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### Eye protection

Use safety glasses.

##### Body protection:

General protective and hygiene measures No particular measures required.

#### Additional information about engineering measures

Refer to protective measures listed in sections 7 and 8.

## 9. SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Image

**Form :** pasty  
**Colour :** According to technical data sheet.  
**Odour :** Characteristic.

#### Relevant safety data

<b>Melting point/melting range :</b>	( 1013 hPa )	>	180	°C
<b>Boiling temperature/boiling range :</b>	( 1013 hPa )	>	250	°C
<b>Flash point :</b>			No data available	
<b>Danger of explosion:</b>			No explosive hazard	
<b>Density :</b>	( 20 °C )	ca.	0,95	g/cm <sup>3</sup> DIN 51757

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### **Solubility in / Miscibility with Water:**

Not miscible or difficult to mix.

### **9.2 Other information**

None.

## **10. SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

There are no data available on the product itself.

### **10.2 Chemical stability**

There are no data available on the product itself.

### **10.3 Possibility of hazardous reactions**

There are no data available on the product itself.

### **10.4 Conditions to avoid**

Stable under recommended storage and handling conditions (See section 7).

### **10.5 Incompatible materials**

Strong oxidizers.

### **10.6 Hazardous decomposition products**

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

Aldehydes, ketones, carboxylic acids. Sulphur oxides (SOx).

## **11. SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Primary irritant effect**

Skin contact: frequent and prolonged skin contact may cause irritation and skin inflammation. Eye contact: irritation.

#### **Sensitization**

None known.

### **11.2 Experience on practice**

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

Ecotoxicological effects : None known.

Aquatic toxicity : None known.

## **12. SECTION 12: Ecological information**

### **12.1 Toxicity**

There are no data available on the product itself.

### **12.2 Persistence and degradability**

There are no data available on the product itself.

### **12.3 Bioaccumulative potential**

There are no data available on the product itself.

### **12.4 Mobility in soil**

There are no data available on the product itself.

### **12.5 Results of PBT and vPvB assessment**

There are no data available on the product itself.

### **12.6 Other adverse effects**

There are no data available on the product itself.

### **12.7 Additional information**

Do not empty into waters or drains.

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### 13. SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Remove in accordance with regulations.  
Do not empty into waters or drains.

##### Waste key

ASN 12 01 12: spent waxes and fats.

#### Contaminated packaging

Contaminated packaging must be emptied of all residues and may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

##### Recommendation

In accordance with local official regulations.  
Remove in accordance with regulations.

### 14. SECTION 14: Transport information

#### 14.1 UN number

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

#### 14.2 UN proper shipping name

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

#### 14.3 Transport hazard class(es)

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

#### 14.4 Packing group

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

#### 14.5 Environmental hazards

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

#### 14.6 Special precautions for user

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

### 15. SECTION 15: Regulatory information

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

##### National regulatory information

##### Water pollution classification

Class : 1 Classification according to VwVwS

##### International regulatory information

REACH Regulation – the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP Regulation – the European Parliament and Council Regulation (EC) No 1272/2008 concerning reclassification, labelling and packaging of substances and mixtures

#### 15.2 Chemical safety assessment

There are no data available on the product itself.

### 16. SECTION 16: Other information

#### Further information

##### Relevant changes

02.2 GHS - Precautionary statements · 07.2 Information about separation of incompatible products

##### R-Phrases of components

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## GHS Hazard statements of components

H412 Harmful to aquatic life with long lasting effects.

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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