



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

Product identifier: AUTOL TOP 2000

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

Relevant identified uses: Lubricating grease

Details of the supplier of the safety data sheet: Eni Schmiertechnik GmbH  
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### 2. Hazards identification.

Classification of the substance or mixture:

Directive 67/548/EEC or 1999/45/EC: --

Label elements:

Directive 67/548/EEC or 1999/45/EC: The usual precautionary measures for the handling of chemicals have to be observed. The classification is based on experimental and epidemiological data or because of the conventional method acc. Preparations Directive 1999/45. The product has been tested regarding its ecotoxicological data and is therefore not harmful for water organisms.

Special designation for certain preparations: 101 - Safety data sheet available for professional user on request.

Other hazards: The product has been tested regarding its ecotoxicological data and is therefore not harmful for water organisms.

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. Composition/information on ingredients.

Mixtures:

Chemical characterization: Base oil with thickener and additives.

Hazardous components: 2-ETHYLHEXYL-ZINK-DITHIOPHOSPHAT, Percentage: 2,5 - 10%  
Reg.-No. (EC): 01-2119493635-27-000; EC: 224-235-5; CAS: 4259-15-8  
Classification 67/548/EEC: N; R51/53 - Xi; R41  
Classification 1907/2006 (GHS): Eye Dam. 1; H318 - Aquatic Chronic 2; H411  
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/EC amendment VI. Highly refined mineral oil (IP 346 DMSO extract < 3%).

### 4. First aid measures.

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.

Most important symptoms and effects, both acute and delayed: None known.



Indication of any immediate medical attention and special treatment needed: None.

### 5. Fire fighting measures.

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.

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>).

Advice for fire fighters: Appropriate breathing apparatus may be required.

Additional information: Do not allow the quenching water into the sewage system.

### 6. Accidental release measures.

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin and eyes. Take the precautions customary when handling chemicals.

Environmental precautions: Do not empty into waters or drains.

Methods and material for containment and cleaning up: Caution: Slipping.  
Take-up mechanically and remove according to regulations (chapter 13).

Reference to other sections: None.

### 7. Handling and Storage.

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 fires and explosions: No particular measures required.

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: 13

Specific end use(es): None.

### 8. Exposure controls/personal protection.

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

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, breakthrough time > 240 min.



Eye protection:	The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. 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. Physical and chemical properties.

Information on basic physical and chemical properties:

Image:	
Form:	Pasty
Odour:	Characteristic
Colour:	According to technical data sheet
Relevant safety data:	
Melting point/range:	(1013 hPa) > 150°C
Boiling temperature/range:	(1013 hPa) > 250°C
Flashpoint:	> 200°C
Danger of explosion:	No explosive hazard
Density (20°C):	ca. 0,93 g/cm <sup>3</sup> (DIN 51757)
Solubility in/miscibility with water:	Not miscible or difficult to mix
Other information:	None

### 10. Stability and reactivity.

Reactivity:	There are no data available on the product itself.
Chemical stability:	There are no data available on the product itself.
Possibility of hazardous reactions:	There are no data available on the product itself.
Conditions to avoid:	Stable under recommended storage and handling conditions (see section 7).
Incompatible materials:	Strong oxidizers.
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 (SO <sub>x</sub> ).

### 11. Toxicological information.

Information on toxicological effects:

Primary irritant effect:	
Skin contact:	Frequent and prolonged skin contact may cause irritation and skin inflammation.
Eye contact:	Irritation.
Sensitisation:	None known.
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. Ecological information.

Toxicity:	There are no data available on the product itself.
Persistence and degradability:	There are no data available on the product itself.
Bioaccumulative potential:	There are no data available on the product itself.
Mobility in soil:	There are no data available on the product itself.
Results of PBT and vPvB assessment:	There are no data available on the product itself.
Other adverse effects:	There are no data available on the product itself.



Additional information: Do not empty into waters or drains.

### 13. Disposal considerations.

Waste treatment methods:

Recommendation:

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

Waste key:

ASN 12 01 12 - used waxes and grease

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. Transport information.

UN number:

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

UN proper shipping name:

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

Transport hazard class(es):

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

Packing group:

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

Environmental hazards:

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

Special precautions for user:

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

### 15. Regulatory information.

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

National regulatory information:

Water hazardous class:

WGK 1 Classification according to VwVwS

Chemical safety assessment:

There are no data available on the product itself.

### 16. Other information.

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process.

The informations in this sheet are according to our best knowledge at the date of printing.

R-phrases of components:

R41 Risk of serious damage to eyes

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

GHS Hazard statements of components:

H318 Causes serious eye damage

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

Changes in section:

1 - 16