

Material Safety Data Sheet

according to Regulation (EC) 1907/2006



Product name : AUTOL TOP 2000 Getriebefließfett, Art.-no. 1614
Date of issue : 03.03.1999
Revision : 13.02.2014

Version (Revision) :

12

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

1.1 Product identifier

AUTOL TOP 2000 Getriebefließfett 000

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@agip.de
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)

Causes serious eye irritation.
Eye Irrit. 2 ; H319

2.2 Label elements

Regulation (EC) No 1272/2008 (GHS)

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P337/313 If eye irritation persists: Get medical advice/attention.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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.

3. SECTION 3: Composition / information on ingredients

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3.2 Mixtures

Chemical characterization

Base oil with thickener and additives.

Hazardous components

2-ETHYLHEXYL-ZINK-DITHIOPHOSPHAT ; Registration number (EC) : 01-2119493635-27-000 ; EC-No. : 224-235-5; CAS-No. : 4259-15-8

Percentage : 1 - 2,5 %

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/EG amendment VI. Highly refined mineral oil (IP 346 DMSO extract < 3%).

4. SECTION 4: First aid measures

4.1 Description of first aid measures

General

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. After first aid treatment immediately seek medical advice.

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 (CO₂). 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 (CO₂). Aliphatic and aromatic pyrolysis products.
Oxides of nitrogen (NO_x). Sulphur dioxide (SO₂).

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

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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

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 : 10

Storage class (TRGS 510) : 10

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/m³, Sweden: 5 mg/m³, USA: 5 mg/m³.

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

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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

Melting point/melting range :	(1013 hPa)	>	60 °C	
Boiling temperature/boiling range :	(1013 hPa)	>	250 °C	
Flash point :		>	200 °C	
Danger of explosion:			No explosive hazard	
Density :	(20 °C)		No data available	DIN 51757
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 (SO_x).

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

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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.

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.

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

15.2 Chemical safety assessment

There are no data available on the product itself.

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16. SECTION 16: Other information

Further information

Relevant changes

02.2 GHS - Hazard pictograms · 02.2 GHS - Signal word · 02.2 GHS - Hazard statements · 02.2 GHS - Precautionary statements · 02.2 GHS - Supplemental hazard information · 07.2 Information about separation of incompatible products · 08.1 References to the thresholds

R-Phrases of components

41 Risk of serious damage to eyes.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

GHS Hazard statements of components

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

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.