

Material Safety Data Sheet

According to 91/155/EC

Date of issue: 22.09.2000

Revised on 03.11.2004

1. Identification of substance

Trade name: Autol TOP 2000

Application: Grease

Supplier:

Agip Schmiertechnik GmbH

Paradiesstr. 14, 97080 Würzburg

Tel. 0931/900 98-0

Fax 0931/98442

2. Composition/information on ingredients

Chemical characterisation

Description:

Calcium soap long-time grease based on mineral and synthetic oils.

Hazardous ingredients:	Designation	R-sets	%weight
Zinkdialkyldithiophosphat	N	51/53	< 2,5%

Additional information: The wording of the cited danger notes has to be gathered from the chapter 16.

3. Hazards identification

Hazardous designation:

None - when handled according to its determined use.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4. First aid measures

General information: No special measures required.

after INHALATION: No special measures required.

after SKIN CONTACT: Generally the product is not skin irritating.

after EYE CONTACT: Rinse opened eye for several minutes under running water.

after SWALLOWING: If irritation persists seek medical attention.

5. Fire fighting measures

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water.

Particularly hazardous through the material, its combustion products or developed gases:

Carbon monoxide (CO), sulphur dioxide (SO₂).

Special protecting equipment: Mount self-containing breathing apparatus.

6. Accidental release measures

Person-related safety precautions: Not required.

Environmental protection measures: Do not allow to enter drainage system, surface or ground water.

Measures for cleaning/collecting: Pick up mechanically.

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and containers: Observe Water Legal Regulations.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from frost and direct sunlight.

8. Exposure limit and personal protection equipment

Additional information about design of technical systems:

No further data; see item 7.

Components with critical values that require monitoring at the workplace:

Additional information: The lists that were valid during the compilation were used as basis.

Personal protection

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling chemicals and mineral oil products.

Respiratory protection: Not required

Hand protection: Protection gloves

Glove material: nitrile rubber

Penetration time of the glove material:

Nitrile: thickness 0,4 mm; breakthrough time: > 240 min.

The exact breakthrough time has to be requested from the manufacturer and has to be kept.

Eye protection: Safety glasses

Body protection: Protective work clothing.

9. Physical and chemical properties

General information:

Appearance:	pasty
Colour:	accord. to product specification
Odour:	characteristic

Change in condition:

Melting point/range:	> 145°C	DIN ISO 2176
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Boiling point/range:	not determined
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Flashpoint:	> 200°C (base oil)
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Self-ignition:	The product is not selfigniting
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Explosion hazard:	The product is not explosive
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Density at 20°C:	0,91 - 0,95 g/cm ³	(house method)
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Solubility in/Miscibility with water:	insoluble
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10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Hazardous reaction: No hazardous reactions known.

Dangerous products of decomposition: Sulphur dioxide.

11. Toxicological information**Acute toxicity**Primary irritant effect:

on the skin: No irritating effect.

on the eye: No irritating effect

Sensitisation: No sensitising effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information**General notes**

Water hazardous class (WGK): 1 slightly hazardous for water

(self-classification according to VwVwS dated 17.05.1999)

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

13. Disposal considerations**Product**Recommendation:

Must not be disposed of together with household garbage. Do not allow to enter drainage system.

Waste disposal no.: 12 01 12 - used waxes and greases

Uncleaned packagingRecommendation:

Dispose according to the local regulations.

14. Transport information

GGVE/GGVS: Does not belong to any class of danger

RID/ADR: Does not belong to any class of danger

IATA-DGR: Does not belong to any class of danger

IMDG-Code: Does not belong to any class of danger

15. Regulations**Designation according to EWG guidelines**

Observe the normal safety regulations when handling chemicals or mineral oil products.

The product is not subject to identification regulations under EC Directives/Ordinance on Hazardous Materials (GefStoffV).

Special identification of certain preparations:

Safety data sheet available for professional user on request.

National regulations

Water hazardous class (WGK): 1 - slightly hazardous for water

(self-classification according to VwVwS dated 17.05.1999)

16. Other information

The information contained in this safety data sheet is based on our current information level. It does not give assurance for certain product properties and does not establish a contractual relationship. This information relates only to the specific material and may not be valid if the material is used in combination with any other material or in any process.

Relevant R-sets:

51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

The informations in this sheet have been revised in November 2004.