

# Material Safety Data Sheet According to 91/155/EWG

Date of issue: 03.03.1999

Revised on: 27.02.2003

## 1. Identification of substance

**Trade name:** Autol TOP 2000 High Temp

**Application:** Grease

### Supplier:

Agip Benelux B.V  
Eemhavenweg 50, 3089 KH Rotterdam – The Netherlands  
Tel. +31 10 2941 555 Fax + 31 10 4294 594

## 2. Composition/information on ingredients

### **Chemical characterisation**

#### Description:

Lithium complex soap grease

#### Hazardous ingredients:

Zincdialcylidithiophosphate	N	R 51/53	< 2,5%
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\*Additional information: The wording of the cited danger notes has to be gathered from the chapter 16.

## 3. Hazards identification

Hazards designation: None - if handled according to its specifications.

#### Information pertaining to particular dangers for man and environment:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

#### Classification system:

The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

## 4. First aid measures

General information: No special measures required.

after INHALATION: Supply fresh air, consult doctor in case of complaints.

after SKIN CONTACT: Wash thoroughly with soap and water.

after EYE CONTACT: Rinse open eye lid for several minutes with running water.

after INGESTION: Seek medical attention if irritation persists.

## 5. Fire fighting measures

Suitable extinguishing agents: CO<sub>2</sub>, sand, dry chemicals; avoid streams of water.

For safety reasons unsuitable extinguishing agents: Water

Special hazards caused by the material, its products of combustion or resulting gases: Carbon monoxide (CO), Sulphur dioxide (SO<sub>2</sub>),

Special protective equipment: Mount respiratory protective device.

## 6. Accidental release measures

Person-related safety precautions:

Not required

Measures for environmental protection:

Do not allow to enter sewers/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.

Storage class:

Class according to regulation on inflammable liquids: Void

**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 protective equipment**General protective and hygienic measures:

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

Breathing equipment: Not required.

Hand protection: Protective 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**

Form: pasty

Odour: characteristic

Colour: brown

Change of condition:

Melting point/range:

> 250°C

DIN ISO 2176

Boiling point/range:

not determined

Flashpoint:

> 200°C (base oil)

Self-ignition:

the product is not self-ignitable

Explosion hazard:

the product is not explosive

Density at 20°C:

0,91 - 0,95 g/cm<sup>3</sup>

House method

Solubility in / Miscibility with water:

not respectively hardly miscible

**10. Stability and reactivity**

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

Materials to be avoided: Strong oxidants.

Dangerous reactions: No dangerous reactions known.

Dangerous products of composition: Carbon monoxide (CO), hydrogen sulphide.

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**11. Toxicological information****Acute toxicity**

Primary irritant effect:

on the skin: no irritant 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.

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**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, water course or sewage system.

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**13. Disposal considerations****Product**

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

**Uncleaned packaging**

Recommendation:

Dispose of according to local regulations.

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**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

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**15. Regulations**

Designation according to EU 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 labelling of certain preparations:

Safety data sheet available for professional user on request.

**National regulations**

Classification according to VbF: void

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Trade name

Autol TOP 2000 High Temp

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Water hazardous class (WGK): 1 slightly hazardous for water - self-classification according to VwVwS dated 17.05.1999

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### **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 February 2003.