

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.12.2012

Version number 2

Revision: 10.12.2010

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** HP
- **Article number:** 0781-319-84..
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Engine oil
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ANDREAS STIHL AG & Co.KG  
Badstr. 115  
D-71336 Waiblingen  
Tel: +49(0)7151-26-3237  
Fax: +49(0)7151-26-8-3237  
Email: info@stihl.com
- **Informing department:**  
Produktmanagement Forsttechnik  
Tel: +49(0)7151-26-3237  
Fax: +49(0)7151-26-83237
- **Emergency telephone number:** For Transport: Tel.: +49-621-60-43333 Fax: +49-621-60-92664

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **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.
- **Label elements**
- **Labelling according to EU guidelines:**  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization:** Mixtures
- **Description:** Highly refined mineral oil (IP 346 DMSO < 3%) and additives.
- **Dangerous components:** Void
- **Additional information** For the wording of the listed risk phrases refer to section 16.

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#### 4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture**  
Can be released in case of fire  
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**  
Remove from the surface of water (e.g. skim or vacuum off)  
Should larger amounts of liquid run out stem it and dispose it of.  
Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 7 for information on safe handling.  
See Section 13 for information on disposal.

#### 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Avoid contact with eyes and skin.  
No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Prevent any penetration into the ground.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Must be stored in a collecting room.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Do not carry cleaning cloths impregnated with the product in trouser pockets.  
Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**  
Oil resistant gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**  
Nitrile rubber, NBR
- **Eye protection:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Red
<b>Odour:</b>	Weak, characteristic
- **Change in condition**

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	> 230 °C

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· <b>Pour point:</b>	-27 °C
· <b>Flash point:</b>	266 °C (cc)
· <b>Ignition temperature:</b>	>230 °C
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· <b>Critical values for explosion:</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	6.5 Vol %
· <b>Density at 20 °C</b>	0.88 g/cm <sup>3</sup> (DIN 51757)
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix
· <b>Partition coefficient (n-octanol/water):</b>	> 3 log POW
· <b>Viscosity:</b>	
<b>kinematic at 100 °C:</b>	12.6 mm <sup>2</sup> /s
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Avoid contact with strong oxidizing agents.
- **Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:**  
Longer or repeated contact with the product reduces the natural readipogenesis of the skin and results in the desiccation of the skin. That product can be absorbed via the skin.
- **on the eye:** Splashes can cause temporary eye irritation.
- **Sensitization:**  
Sensitive persons can possibly have allergic reactions. This is also valid below the fixed levels of exposure.

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**Additional toxicological information:**

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

### 12 Ecological information

**Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Other information:** The product is biodegradable.

**Behaviour in environmental systems:****Components:**

A product that has flown out can lead to the formation of a film on the water surface which reduces the oxygen exchange and results in the organisms dying-off.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

**Additional ecological information:****General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

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

Danger to drinking water if even small quantities leak into soil.

**Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods****Recommendation**

The waste code numbers mentioned are recommendations based on the probable use of the product.

The product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility.

**European waste catalogue**

13 00 00	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 02 00	waste engine, gear and lubricating oils
13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils

**Uncleaned packagings:**

· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

### 14 Transport information

**UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

**UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

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· <b>Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

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.

- **Department issuing data specification sheet:**  
The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr.Rhein Beratungs- und Prüfgesellschaft mbH, Phone: +49 5066 900990.
- **\* Data compared to the previous version altered.**

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