

## Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 03/29/2006

Reviewed on 03/29/2006

### 1 Identification of substance

- **Product details**
- **Trade name:** Getriebefett für Motorsensen und Freischneider  
Gear lubricant for brushcutters and clearing saws
- **Article number:** 0781 120 1116, 0781 120 1117, 0781 120 1118
- **Application of the substance / the preparation** Lubricating grease.
- **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
- **Information department:**  
Produktmanagement Forsttechnik  
Tel: +49(0)7151-26-3237  
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- **Emergency information:**  
Tel: +49-621-60-43333  
Fax: +49-621-60-92664

Distributed by  
STIHL Incorporated  
536 Viking Drive  
Virginia Beach, VA 23452  
(757) 486 - 9100

### 2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture made of named basic oils with additives and lithium soaps used as thickeners.

- **Dangerous components:**

101316-72-7	Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	50-100%
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	25-50%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**  
The product does not have to be labelled due to the calculation procedure of international guidelines.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 1  
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	*0	Health = *0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

## 4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.

## 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Formation of toxic gases is possible during heating or in case of fire.  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)
- **Protective equipment:** Wear self-contained respiratory protective device.

## 6 Accidental release measures

- **Person-related safety precautions:**  
Avoid contact with the product.  
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.
- **Additional information:** See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**  
Protect from heat.  
The product forms flammable fumes when heated.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only undamaged original packaging drums.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.

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· **Further information about storage conditions:**

Recommended storage temperature: 5 - 50 °C.

Store in dry conditions.

Protect from heat and direct sunlight.

### 8 Exposure controls and personal protection

· **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 creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:** Not required.

· **Protection of hands:**

Oil resistant gloves

In case of longer or repeated contact with the skin: use protective cream for the skin surfaces coming into contact with the product.

· **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

· **Body protection:** Protective work clothing

### 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Pasty
<b>Color:</b>	Brown
<b>Odor:</b>	Specific type

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

**Drip point:** 175°C (347°F) (ASTM D 566 ääÿŸÖÓ Ü□

· **Flash point:** > 180°C (> 356°F) (ASTM D 92 ääÿŸÖÓ Ü□

· **Ignition temperature:** > 300°C (> 572°F) (DIN 51794 ääÿŸÖÓ Ü□

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure at 20°C (68°F):** 0.001 hPa (0 mm Hg)

· **Density:** Not determined.

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- |  |                   |
|--|-------------------|
| · <b>Solubility in / Miscibility with Water:</b> | <i>Insoluble.</i> |
| · <b>pH-value at 20°C (68°F):</b>                | <i>n.a.</i>       |
| · <b>Solvent content:</b>                        |                   |
| <b>Organic solvents:</b>                         | <i>0.0 %</i>      |
| <b>Water:</b>                                    | <i>0.0 %</i>      |
| <b>VOC content:</b>                              | <i>0.0 %</i>      |

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
*No decomposition if used according to specifications.*
- **Materials to be avoided:** *Avoid contact with strong oxidizing agents.*
- **Dangerous reactions** *No dangerous reactions known.*
- **Dangerous products of decomposition:** *No dangerous decomposition products known.*

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *More frequent and continuous contact with the skin may result in irritation of the skin.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *Sensitizing effect by skin contact is possible with prolonged exposure.*
- **Additional toxicological information:**  
*The product is not subject to classification according to internally approved calculation methods for preparations:*

## 12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:**  
*Biodegradability is not probable due to the consistency as well as the low degree of water solubility of the product.*
- **General notes:**  
*Water hazard class 2 (Self-assessment): hazardous for water*  
*Do not allow product to reach ground water, water course or sewage system.*  
*Danger to drinking water if even small quantities leak into the ground.*

## 13 Disposal considerations

- **Product:**
- **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.*
- **Uncleaned packagings:**
- **Recommendation:** *Dispose of packaging according to regulations on the disposal of packagings.*

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## 14 Transport information

- **DOT regulations:**
- **Hazard class:** No hazardous good
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** No hazardous good.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not Restricted.
- **Transport/Additional information:** Not dangerous according to the above specifications.

## 15 Regulations

- **Sara**
- **Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.
- **Section 313 (Specific toxic chemical listings):**  
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
- 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic
- Zinkalkyldithiophosphat
- **Proposition 65**
- **Chemicals known to cause cancer:**  
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**  
None of the ingredients is listed.
- **Carcinogeny categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients is listed.
- **IARC (International Agency for Research on Cancer)**  
None of the ingredients is listed.
- **NTP (National Toxicology Program)**  
None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**  
None of the ingredients is listed.
- **MAK (German Maximum Workplace Concentration)**  
None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients is listed.

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- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
	Zinkalkyldithiophosphat

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

- **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.  
 The product is not subject to identification regulations according to directives on hazardous materials.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing MSDS:**

The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr. Rhein, Phone: +49(0)5066-900990 and the Dekra Umwelt GmbH, Phone: +49(0)511-96355-0.

- **\* Data compared to the previous version altered.**

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