

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

Printing date 09/29/2011

Reviewed on 06/25/2009

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

- **Product identifier**
- **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, 0781 120 1022
- **Application of the substance / the preparation** Lubricating grease.
- **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
  
- **Distributed by:**  
STIHL Incorporated  
536 Viking Drive  
Virginia Beach, VA 23452  
(757) 486-9100
- **Information department:**  
Produktmanagement Forsttechnik  
Tel: +49(0)7151-26-3237  
Fax: +49(0)7151-26-83237
- **Emergency telephone number:**  
Tel: +49-621-60-43333  
Fax: +49-621-60-92664

**2 Composition/information on ingredients**

- **Chemical characterization:** **Mixtures**
- **Description:** Mixture made of named basic oils with additives and lithium soaps used as thickeners.
- **Dangerous components:** Void
- **Additional information:**  
Highly refined mineral oil (IP 346 DMSO < 3%)  
For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Not applicable.  
Void
- **Information concerning particular hazards for human 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.

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- **Label elements**

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 0  
 Fire = 1  
 Reactivity = 0

- **HMS-ratings (scale 0 - 4)**



Health = 0  
 Fire = 1  
 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 Firefighting 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 arising from the substance or mixture**  
 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

- **Personal precautions, protective equipment and emergency procedures**  
 Avoid contact with the product.  
 The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Environmental precautions:**  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.

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- **Reference to other sections** See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions 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.
- **Further information about storage conditions:**  
 Storage between 18 and 65 °C.  
 Store in dry conditions.  
 Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/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**
- **Appearance:**  

<b>Form:</b>	Pasty
<b>Color:</b>	Brown

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· <b>Odor:</b>	Specific type
· <b>pH-value at 20°C (68 °F):</b>	n.a.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
<b>Drip point:</b>	175°C (347 °F) (ASTM D 566)
· <b>Flash point:</b>	> 180°C (> 356 °F) (ASTM D 92)
· <b>Ignition temperature:</b>	> 300°C (> 572 °F) (DIN 51794)
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Vapor pressure at 20°C (68 °F):</b>	0.001 hPa
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Insoluble.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	0.0 %
<b>VOC content:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Incompatible materials:** Avoid contact with strong oxidizing agents.
- **Hazardous decomposition products:** 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

- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Other information:**  
Biodegradability is not probable due to the consistency as well as the low degree of water solubility of the product.

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- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- **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

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

## 14 Transport information

· <b>UN-Number</b>	Void
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	Void
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>DOT, IMDG</b>	
· <b>Class</b>	Void No hazardous good
· <b>ADR</b>	
· <b>Class</b>	Void No hazardous good.
· <b>ADN/R Class:</b>	Void
· <b>IATA</b>	
· <b>Class</b>	Void Not Restricted
· <b>Packing group</b>	
· <b>DOT, 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.

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## 15 Regulatory information

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **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.

- **Carcinogen 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.

- **AGW (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.

- **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 Beratungs- und Prüfgesellschaft mbH, Phone: +49(0)5066-900990.