

Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 06/25/2009

Reviewed on 06/25/2009

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
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D-71336 Waiblingen
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2 Composition/Data on components

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

- **Dangerous components:**

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	25-50%
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	50-100%

- **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.

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· **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 Fire fighting measures

- **Suitable extinguishing agents:**
 CO₂, 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_x)
- **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.

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- **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.

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 trough 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

Form:	Pasty
Color:	Brown
Odor:	Specific type

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Drip point:	175 °C (347 °F) (ASTM D 566)

Flash point:	> 180 °C (> 356 °F) (ASTM D 92)
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Ignition temperature:	> 300 °C (> 572 °F) (DIN 51794)
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· Auto igniting:	<i>Product is not selfigniting.</i>
· Danger of explosion:	<i>Product does not present an explosion hazard.</i>
· Vapor pressure at 20 °C (68 °F):	<i>0.001 hPa</i>
· Density:	<i>Not determined.</i>
· Solubility in / Miscibility with Water:	<i>Insoluble.</i>
· pH-value at 20 °C (68 °F):	<i>n.a.</i>
· Solvent content:	
Organic solvents:	<i>0.0 %</i>
Water:	<i>0.0 %</i>
VOC content:	<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.

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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

- **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):**

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.

- **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.

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· **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.

· **Canadian substance listings:**

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

All ingredients are listed.

· **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.**

USA