

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

Printing date 06/11/2010

Reviewed on 06/11/2010

### 1 Identification of substance

- **Product details**
- **Trade name:** *Fett für Teleskopschaft*  
*Grease for telescopic boom*
- **Article number:** 0781 120 6000
- **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
- **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 information:**  
Tel: +49-621-60-43333  
Fax: +49-621-60-92664

### 2 Composition/Data on components

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

- **Dangerous components:**

	Poly urea	1-5%
28984-69-2	2-(Heptadecenyl)-2-oxazolin-4,4-dimethanol	≤1%
68411-46-1	Diocetylphenylamin	≤1%

### 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.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

## 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:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Use a breathing apparatus that is independent of circulating air when being in closed rooms.
- **Additional information**  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **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:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.

## 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 receptacles:**  
Store cool and dry in tightly closed receptacles.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.

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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:**

Immediately remove all soiled and contaminated clothing.

Avoid close or long term contact with the skin.

Wash hands before breaks and at the end of work.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:**

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.

- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Pasty
<b>Color:</b>	Light brown
<b>Odor:</b>	Product specific

- **Change in condition**

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

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

**Drip point:** > 180°C (> 356°F) (DIN ISO 2176)

- **Flash point:** Not applicable.

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

- **Density at 20°C (68°F):** 0.87 g/cm<sup>3</sup> (DIN 51757)

- **Solubility in / Miscibility with**

**Water:** Insoluble.

- **Viscosity:**

**Kinematic at 40°C (104°F):** 130 mm<sup>2</sup>/s (DIN 51561)

- **Solvent content:**

**VOC content:** 0.0 %

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## 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:**  
*None in case of intended use and storage in compliance with instructions.*

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Long-term skin contact may cause skin irritation and/or dermatitis.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*

## 12 Ecological information

- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (Self-assessment): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

## 13 Disposal considerations

- **Product:**
- **Recommendation:**  
*Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.*  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*  
*The waste code numbers mentioned are recommendations based on the probable use of the product.*
- **Uncleaned packagings:**
- **Recommendation:**  
*Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*  
*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*

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- **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 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:**

The substance is not subject to classification according to the sources of literature known to us.  
 Observe the general safety regulations when handling chemicals.

## 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.

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· **Department issuing MSDS:**

*The safety data sheets were drawn up in cooperation with teh Umweltkanzlei Dr. Rhein Beratungs- und Prüfgesellschaft mbH, Phone: +49(0)5066-900990.*

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

*Because of lack on recipe information this MSDS was created in all conscience on the basis of the MSDS Klübersynth G34-130 of the supplier Klüber Lubrication München KG.*

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