

Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 01/11/2006

Reviewed on 01/11/2006

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
- **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:**

	Calcium special soap	2.5-10%
	Poly urea	2.5-10%
28984-69-2	2-(Heptadecenyl)-2-oxazolin-4,4-dimethanol	< 2.5%

- **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 has 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:**
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:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Sulphur dioxide (SO₂)
- **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 in a cool location.
- **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.
- **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.
- **Eye protection:** Not required.

9 Physical and chemical properties

· General Information

Form:	Pasty
Color:	Light brown
Odor:	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.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Density at 20°C (68°F):	0.879 g/cm ³ (DIN 51757)
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· Solubility in / Miscibility with Water:	Insoluble.
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· Viscosity:	
Kinematic at 40°C (104°F):	130 mm ² /s (DIN 51561)

· Solvent content:	
VOC content:	0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used according to specifications.

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- **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

- **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:** 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.

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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.

- **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.

- **Canadian substance listings:**

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

28984-69-2 | 2-(Heptadecenyl)-2-oxazolin-4,4-dimethanol

- **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:**

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 the Umweltkanzlei Dr. Rhein, Phone: +49(0)5066-900990 and the Dekra Umwelt GmbH, Phone: +49(0)511-96355-0.

· **Sources**

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.

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

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