

Safety Data Sheet
acc. to OSHA HCS

Printing date 08/10/2017

Reviewed on 08/10/2017

1 Identification

- **Product identifier**
- **Trade name: Fett für Teleskopschaft**
Grease for telescopic boom
- **Article number:** 0781 120 6000
- **Application of the substance / the mixture** 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
Email: info@stihl.com
- **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:**
Poison control center Berlin +49 (0) 30 30 686 790 (German and English)
Transport information +49-621-60-43333 Fax: +49-621-60-92664

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **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

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out of danger area and lay down.
Immediately remove any clothing soiled by the product.
- **After inhalation:**
Take affected persons into fresh air and keep quiet.
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. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth thoroughly with water.
Do not induce vomiting in order to prevent an invasion into the lungs.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **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 arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphur dioxide (SO₂)

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- **Advice for firefighters**
- **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

- **Personal precautions, protective equipment and emergency procedures**
 Ensure adequate ventilation
- **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.
- **Reference to other sections**
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

68037-01-4	1-Decen, homopolymer, treated with hydrogen	30 mg/m3
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- **PAC-2:**

68037-01-4	1-Decen, homopolymer, treated with hydrogen	330 mg/m3
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- **PAC-3:**

68037-01-4	1-Decen, homopolymer, treated with hydrogen	2,000 mg/m3
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7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **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.
 Protect from heat and direct sunlight.
- **Storage class:** 13
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

- **Control parameters**
- **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.*
- **Exposure controls**
- **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**
*Chemical-resistant clothes.
 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.*
- **Body protection:** *Protective work clothing*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Pasty
Color:	Beige
Odor:	Product specific

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Drip point:	> 180°C (°F)

- **Flash point:** Not applicable.

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

- **Vapor pressure:** Not applicable.

- **Density at 20°C (68 °F):** 0.87 g/cm³ (lbs/gal)

- **Solubility in / Miscibility with**

Water:	Insoluble.
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- **Viscosity:**

Dynamic:	Not applicable.
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Kinematic:	Not applicable.
· Solvent content:	
VOC content:	0.00 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Avoid contact with strong oxidizing agents.
- **Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

59656-20-1 2,5-Bis(tert-dodecyldithio)-1,3,4-thiadiazol

Oral	LD50	>5,000 mg/kg (Rat) (OECD TG 401)
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Dermal	LD50	>2,000 mg/kg (Rat) (OECD TG 402)
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68411-46-1 Benzolamin, N-Phenyl-, reactionproducts with 2,4,4-trimethylpenten

Oral	LD50	>5,000 mg/kg (Rat) (OECD 401)
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Dermal	LD50	>2,000 mg/kg (Rat) (OECD 402)
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1266545-64-5 Polyharnstoff

Oral	LD50	>2,000 mg/kg (Rat) (67/548/EWG Anhang V B. 1)
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Dermal	LD50	>2,000 mg/kg (Rat) (OECD 402)
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- **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.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

59656-20-1 2,5-Bis(tert-dodecyldithio)-1,3,4-thiadiazol

EC50 (72 h) >100 mg/l (*Pseudokirchneriella subcapitata*) (OECD TG 201)

EC50 (48 h) 41 mg/l (*Daphnia magna*) (OECD TG 202)

LC50 (96 h) >1,000 mg/l (*Pimephales promelas*)

68411-46-1 Benzolamin, N-Phenyl-, reactionproducts with 2,4,4-trimethylpenten

EC50 (48 h) 51 mg/l (*Daphnia magna*) (OECD 202 T1)

LC50 (96 h) >100 mg/l (*Danio rerio*) (OECD 203)

1266545-64-5 Polyharnstoff

EC50 (72 h) >100 mg/l (*Grünalgen (Selenastrum capricornutum)*) (OECD 201)

EC50 (48 h) >100 mg/l (*Daphnia magna*) (OECD 202)

LC50 (96 h) >100 mg/l (fish) (OECD 203)

- **Persistence and degradability**

59656-20-1 2,5-Bis(tert-dodecyldithio)-1,3,4-thiadiazol

Biological degradability 0 %

68411-46-1 Benzolamin, N-Phenyl-, reactionproducts with 2,4,4-trimethylpenten

Biological degradability 1 %

- **Behavior in environmental systems:**

- **Bioaccumulative potential**

59656-20-1 2,5-Bis(tert-dodecyldithio)-1,3,4-thiadiazol

Bioconcentration factor (BCF) 3.16 (fish)

68411-46-1 Benzolamin, N-Phenyl-, reactionproducts with 2,4,4-trimethylpenten

Bioconcentration factor (BCF) 1,730 (*Cyprinus carpio*)

- **Mobility in soil** No further relevant information available.

- **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.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **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.

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- **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

- | | |
|--|--|
| · UN-Number | Void |
| · DOT, ADR/RID/ADN, ADN, IMDG, IATA | Void |
| · UN proper shipping name | Void |
| · DOT, ADR/RID/ADN, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | Void |
| · DOT, ADR/RID/ADN, ADN, IMDG, IATA | Void |
| · Class | Void |
| · Packing group | Void |
| · DOT, ADR/RID/ADN, IMDG, IATA | Void |
| · Environmental hazards: | No |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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):**

68037-01-4 | 1-Decen, homopolymer, treated with hydrogen

68411-46-1 | Benzolamin, N-Phenyl-, reactionproducts with 2,4,4-trimethylpenten

59656-20-1 | 2,5-Bis(tert-dodecylthio)-1,3,4-thiadiazol

· **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.

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· **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.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

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.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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. Because the formulation was not available, the material safety data sheet is based on the information of the material safety data sheet of the supplier.

· **Department issuing SDS:**

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

· **Date of preparation / last revision** 08/10/2017 / 3

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

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