

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 09/26/2011

Reviewed on 07/06/2011

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

- **Product identifier**
- **Trade name:** *Mehrzweckfett für Heckenscheren und Elektrosägengetriebe*
Multipurpose grease for hedge trimmers and electric saw gears
- **Article number:** 0781 120 1109, 0781 120 1110, 0781 120 1021
- **Application of the substance / the preparation**
Multipurpose grease for hedge trimmers and electric saw gears
- **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:** *Lithium soap lubricating grease on the basis of mineral oils.*

· **Dangerous components:**

4259-15-8	Zink-bis-[O, O-bis-(2-ethylhexyl)]-bis-(dithiophosphat)	1-5%
68425-15-0	Dialkylpolysulfid	1-5%

- **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** 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.

(Contd. on page 2)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/26/2011

Reviewed on 07/06/2011

Trade name: Mehrzweckfett für Heckenscheren und Elektrosägengetriebe
Multipurpose grease for hedge trimmers and electric saw gears

(Contd. of page 1)

- **Label elements**

- **Labelling according to EU guidelines:**

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

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Firefighting measures

- **Suitable extinguishing agents:**
 CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.
 Use fire fighting measures that suit the environment.
- **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)
 Sulphur dioxide (SO₂)
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
 Use water to keep fire exposed containers cool.
 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
 Avoid contact with eyes and skin.
 Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**
 Do not allow to penetrate the ground/soil.
 Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.

(Contd. on page 3)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/26/2011

Reviewed on 07/06/2011

Trade name: Mehrzweckfett für Heckenscheren und Elektrosägengetriebe
Multipurpose grease for hedge trimmers and electric saw gears

(Contd. of page 2)

- **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.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Avoid contact with eyes and skin.

No special precautions are necessary if used correctly.

- **Information about protection against explosions and fires:**

Fumes can combine with air to form an explosive mixture.

- **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:**

Protect from frost.

Protect from heat and direct sunlight.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **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 necessary if room is well-ventilated.

- **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.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **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

(Contd. on page 4)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/26/2011

Reviewed on 07/06/2011

Trade name: Mehrzweckfett für Heckenscheren und Elektrosägengetriebe
Multipurpose grease for hedge trimmers and electric saw gears

(Contd. of page 3)

- **Eye protection:** Not required.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

· Appearance:

- | | |
|-----------------|----------------|
| · Form: | Pasty |
| · Color: | Light brown |
| · Odor: | Characteristic |

· **pH-value at 20°C (68 °F):** n.a.

· Change in condition

- **Melting point/Melting range:** >180°C (>356 °F) (DIN ISO 2176)
 · **Boiling point/Boiling range:** Undetermined.

· **Flash point:** > 200°C (> 392 °F)

· **Auto igniting:** Product is not selfigniting.

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

· **Density at 20°C (68 °F):** 0.92 - 0.96 g/cm³ (7.677 - 8.011 lbs/gal)

· Solubility in / Miscibility with

· **Water:** Not miscible or difficult to mix.

· Solvent content:

- | | |
|----------------------------|--|
| · Organic solvents: | 0.0 % |
| · Other information | 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:** No sensitizing effects known.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.

(Contd. on page 5)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/26/2011

Reviewed on 07/06/2011

Trade name: Mehrzweckfett für Heckenscheren und Elektrosägengetriebe
Multipurpose grease for hedge trimmers and electric saw gears

(Contd. of page 4)

· **Other information:**

Biodegradability is not probable due to the consistency as well as the low degree of water solubility of the product.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** 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.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

The product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility.

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

· **UN-Number**

· **DOT, ADR, ADN, IMDG, IATA** Void

· **UN proper shipping name**

· **DOT, ADR, ADN, IMDG, IATA** Void

· **Transport hazard class(es)**

· **DOT**

· **Class** Void
No hazardous good

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **Packing group**

· **DOT, ADR, IMDG, IATA** Void

· **Environmental hazards:**

· **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.

USA

(Contd. on page 6)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/26/2011

Reviewed on 07/06/2011

Trade name: Mehrzweckfett für Heckenscheren und Elektrosägengetriebe
Multipurpose grease for hedge trimmers and electric saw gears

(Contd. of page 5)

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:**

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.

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