

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Ballbearing Grease**

**Art.-No. 300550**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture:**

Lubricant, Grease

**Uses advised against:**

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

Gessert & Sohn, Siemensstr. 17, D-40721 Hilden, Germany

Phone: +49 2103 51681, Fax: +49 2103 51682

Qualified person's e-mail address: astrid.gessert@hanseline.de

#### 1.4 Emergency telephone number

**Emergency information services / official advisory body:**

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**Telephone number of the company in case of emergencies:**

+49 -551-19240 Giftinformationszentrum-Nord (Göttingen)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) 1272/2008 (CLP)**

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

**2.2 Label elements**

**Labeling according to Regulation (EC) 1272/2008 (CLP)**

Not applicable

**2.3 Other hazards**

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

**SECTION 3: Composition/information on ingredients**

**3.1 Substance**

n.a.

**3.2 Mixture**

|  |     |
|--|-----|
| --   |     |
| <b>Registration number (REACH)</b>                                 | --  |
| <b>Index</b>   | -   |
| <b>EINECS, ELINCS, NLP</b>   | -   |
| <b>CAS</b>   | -   |
| <b>content %</b>   |     |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP)</b> | --- |

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**Inhalation**

Normally not necessary.

Supply person with fresh air and consult doctor according to symptoms.

**Skin contact**

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

**Eye contact**

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

**Ingestion**

Rinse the mouth thoroughly with water.

Do not induce vomiting. Consult doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Drying of the skin.

With long-term contact:

Irritation of the skin.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

**4.3 Indication of any immediate medical attention and special treatment needed**

n.c.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

CO2

Foam

Dry extinguisher

**Unsuitable extinguishing media**

High volume water jet

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## 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic pyrolysis products.

## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Dispose of contaminated extinction water according to official regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

Or:

Pick up mechanically and dispose of according to Section 13.

### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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|                          |                                      |     |
|--------------------------|--------------------------------------|-----|
| WEL-TWA: 5 mg/m3 (ACGIH) | WEL-STEL: 10 mg/m3 (ACGIH)           | --- |
| Monitoring procedures:   | - Draeger - Oil 10/a-P (67 28 371)   |     |
|                          | - Draeger - Oil Mist 1/a (67 33 031) |     |
| BMGV: ---                | Other information: ---               |     |

GB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.

**8.2.2 Individual protection measures, such as personal protective equipment**

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 With danger of contact with eyes.  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Chemical resistant protective gloves (EN 374).  
 If applicable  
 Protective nitrile gloves (EN 374)  
 Protective gloves made of polyvinyl alcohol (EN 374)  
 Protective Viton® / fluoroelastomer gloves (EN 374)  
 Protective hand cream recommended.  
 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.  
 The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:  
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:  
 Normally not necessary.  
 If OES or MEL is exceeded.  
 Filter A - P2 (EN 14387)  
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:  
 If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.  
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
 Selection of materials derived from glove manufacturer's indications.  
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**8.2.3 Environmental exposure controls**

No information available at present.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                   |
|--|-------------------|
| Physical state:                          | Pastelike, Liquid |
| Colour:                                  | Light brown       |
| Odour:                                   | Characteristic    |
| Odour threshold:                         | Not determined    |
| pH-value:                                | Not determined    |
| Melting point/freezing point:            | Not determined    |
| Initial boiling point and boiling range: | Not determined    |
| Flash point:                             | >100 °C           |
| Evaporation rate:                        | Not determined    |
| Flammability (solid, gas):               | Not determined    |
| Lower explosive limit:                   | Not determined    |
| Upper explosive limit:                   | Not determined    |
| Vapour pressure:                         | Not determined    |
| Vapour density (air = 1):                | Not determined    |
| Density:                                 | ~0,9 g/ml         |
| Bulk density:                            | Not determined    |
| Solubility(ies):                         | Not determined    |
| Water solubility:                        | Insoluble         |
| Partition coefficient (n-octanol/water): | Not determined    |
| Auto-ignition temperature:               | Not determined    |
| Decomposition temperature:               | Not determined    |
| Viscosity:                               | n.a.              |
| Explosive properties:                    | Not determined    |
| Oxidising properties:                    | Not determined    |

### 9.2 Other information

|                           |                |
|---------------------------|----------------|
| Miscibility:              | Not determined |
| Fat solubility / solvent: | Not determined |
| Conductivity:             | Not determined |
| Surface tension:          | Not determined |
| Solvents content:         | Not determined |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See also Subsection 10.2 to 10.6.

The product has not been tested.

### 10.2 Chemical stability

See also Subsection 10.1 to 10.6.

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

See also Subsection 10.1 to 10.6.

No decomposition if used as intended.

### 10.4 Conditions to avoid

See also section 7.

Protect from humidity.

### 10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

### 10.6 Hazardous decomposition products

See also Subsection 10.1 to 10.5.

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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Possibly more information on health effects, see Section 2.1 (classification).

| <b>Ballbearing Grease Art.-Nr. COX591151</b>                  |                 |              |             |                 |                    |  |
|---|-----------------|--------------|-------------|-----------------|--------------------|--|
| <b>Toxicity / effect</b>                                      | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b> | <b>Notes</b>                                       |
| Acute toxicity, by oral route:                                |                 |              |             |                 |                    | n.d.a.   |
| Acute toxicity, by dermal route:                              |                 |              |             |                 |                    | n.d.a.   |
| Acute toxicity, by inhalation:                                |                 |              |             |                 |                    | n.d.a.   |
| Skin corrosion/irritation:                                    |                 |              |             |                 |                    | n.d.a.   |
| Serious eye damage/irritation:                                |                 |              |             |                 |                    | n.d.a.   |
| Respiratory or skin sensitisation:                            |                 |              |             |                 |                    | n.d.a.   |
| Germ cell mutagenicity:                                       |                 |              |             |                 |                    | n.d.a.   |
| Carcinogenicity:  |                 |              |             |                 |                    | n.d.a.   |
| Reproductive toxicity:  |                 |              |             |                 |                    | n.d.a.   |
| Specific target organ toxicity - single exposure (STOT-SE):   |                 |              |             |                 |                    | n.d.a.   |
| Specific target organ toxicity - repeated exposure (STOT-RE): |                 |              |             |                 |                    | n.d.a.   |
| Aspiration hazard:  |                 |              |             |                 |                    | n.d.a.   |
| Symptoms:   |                 |              |             |                 |                    | n.d.a.   |
| Other information:  |                 |              |             |                 |                    | Classification according to calculation procedure. |

**SECTION 12: Ecological information**

Possibly more information on environmental effects, see Section 2.1 (classification).

| <b>Ballbearing Grease Art.-Nr. COX591151</b> |                 |             |              |             |                 |                    |  |
|--|-----------------|-------------|--------------|-------------|-----------------|--------------------|--|
| <b>Toxicity / effect</b>                     | <b>Endpoint</b> | <b>Time</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b> | <b>Test method</b> | <b>Notes</b>                                       |
| Toxicity to fish:                            |                 |             |              |             |                 |                    | n.d.a.   |
| Toxicity to daphnia:                         |                 |             |              |             |                 |                    | n.d.a.   |
| Toxicity to algae:                           |                 |             |              |             |                 |                    | n.d.a.   |
| Persistence and degradability:               |                 |             |              |             |                 |                    | Isolate as much as possible with an oil separator. |
| Bioaccumulative potential:                   |                 |             |              |             |                 |                    | Concentration in organisms possible.               |
| Mobility in soil:                            |                 |             |              |             |                 |                    | n.d.a.   |
| Results of PBT and vPvB assessment           |                 |             |              |             |                 |                    | n.d.a.   |
| Other adverse effects:                       |                 |             |              |             |                 |                    | n.d.a.   |

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**For the substance / mixture / residual amounts**

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of.  
 EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils

20 01 26 oil and fat other than those mentioned in 20 01 25

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

### For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

## SECTION 14: Transport information

### General statements

UN number: n.a.

### Transport by road/by rail (ADR/RID)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2015): n.a.

Environmental hazards: Not applicable

Tunnel restriction code:

### Transport by sea (IMDG-code)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a.

Environmental hazards: Not applicable

### Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Environmental hazards: Not applicable

### Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

### Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

For classification and labelling see Section 2.

Observe restrictions:

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

n.a.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

Revised sections:

1 - 16

### Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

**Any abbreviations and acronyms used in this document:**

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency

EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera

EU European Union

EWG European Waste Catalogue

Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

HGWP Halocarbon Global Warming Potential

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration



- IMDG-code International Maritime Code for Dangerous Goods
- incl. including, inclusive
- IUCILIDInternational Uniform ChemicalL Information Database
- LC lethal concentration
- LC50 lethal concentration 50 percent kill
- LCLo lowest published lethal concentration
- LD Lethal Dose of a chemical
- LD50 Lethal Dose, 50% kill
- LDLo Lethal Dose Low
- LOAELLowest Observed Adverse Effect Level
- LOEC Lowest Observed Effect Concentration
- LOEL Lowest Observed Effect Level
- LQ Limited Quantities
- MARPOL International Convention for the Prevention of Marine Pollution from Ships
- n.a. not applicable
- n.av. not available
- n.c. not checked
- n.d.a. no data available
- NIOSHNational Institute of Occupational Safety and Health (United States of America)
- NOAEC No Observed Adverse Effective Concentration
- NOAEL No Observed Adverse Effect Level
- NOEC No Observed Effect Concentration
- NOEL No Observed Effect Level
- ODP Ozone Depletion Potential
- OECD Organisation for Economic Co-operation and Development
- org. organic
- PAH polycyclic aromatic hydrocarbon
- PBT persistent, bioaccumulative and toxic
- PC Chemical product category
- PE Polyethylene
- PNEC Predicted No Effect Concentration
- POCP Photochemical ozone creation potential
- ppm parts per million
- PROC Process category
- PTFE Polytetrafluorethylene
- REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
- REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
- RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
- SADT Self-Accelerating Decomposition Temperature
- SAR Structure Activity Relationship
- SU Sector of use
- SVHC Substances of Very High Concern
- Tel. Telephone
- ThOD Theoretical oxygen demand
- TOC Total organic carbon
- TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
- UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
- VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
- VOC Volatile organic compounds
- vPvB very persistent and very bioaccumulative
- WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
- WHO World Health Organization
- wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility

