SAFETY DATA SHEET
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Germany

Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

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

1.1 Product identifier

Product name: SACHS Hochleistungsfett Tribol GR 400-3 PD

Product code: 0671.190.050 0671.190.165 4200 080 050 4200 080 060

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

Use of the substance/mixture: Grease for industrial applications.

1.3 Details of the supplier of the safety data sheet

ZF Friedrichshafen AG
ZF Aftermarket
Obere Weiden 12
97424 Schweinfurt
Germany
+49 9721 475 60
www.zf.com /contact

1.4 Emergency telephone number
24/7h Emergency telephone number:
(+49) 89 19 240 (Emergency Call - Information in German and in English )

2. Hazards identification

2.1 Classification of the substance or mixture

Product definition  Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Aquatic Chronic 3, H412

Environmental hazards  Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the H statements declared above.
See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.
SAFETY DATA SHEET
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Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

2.2 Label elements

Hazard statements: H412 - Harmful to aquatic life with long lasting effects.
Signal word: No signal word.

Precautionary statements:
Prevention: P273 - Avoid release to the environment.
Response: Not applicable.
Storage: Not applicable.
Disposal: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements: Contains Reaction product of ammonium molybdate and C12-C24-diethoxylated alkylamine (1:5-1:3) and Isodecyl diphenyl phosphite. May produce an allergic reaction.

Special packaging requirements
Containers to be fitted with child-resistant fastenings: Not applicable.
Tactile warning of danger: Not applicable.

2.3 Other hazards

Other hazards which do not result in classification
Defatting to the skin.
Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.
See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.
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Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

3. Composition/information on ingredients

3.2 Substance/mixture
Highly refined mineral oil and additives.
Thickening agent.

Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction product of ammonium molybdate and C12-C24-diethoxylated alkylamine (1:5-1:3)</td>
<td>REACH #: 01-0000016000-92 EC: 412-780-3 Index: 042-004-00-5</td>
<td>≥0.3 - &lt;1</td>
<td>Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411</td>
<td>[1]</td>
</tr>
<tr>
<td>Phosphorus acid, decyl diphenyl ester.</td>
<td>EC: 247-777-4 CAS: 26544-23-0</td>
<td>≥0.3 - &lt;1</td>
<td>Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411</td>
<td>[1]</td>
</tr>
<tr>
<td>Zinc Sulphate (hydrous)</td>
<td>EC: 231-793-3 CAS: 7446-19-7 Index: 030-006-00-9</td>
<td>≥0.3 - &lt;1</td>
<td>Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
<td>[1] [2]</td>
</tr>
<tr>
<td>Lithium hydroxide</td>
<td>EG: 215-183-4 CAS: 1310-65-2</td>
<td>≥0.1 - &lt;0.3</td>
<td>Acute Tox. 3, H301 Skin Corr. 1A, H314 Eye Dam. 1, H318</td>
<td>[1]</td>
</tr>
</tbody>
</table>

See Section 16 for the full text of the H statements declared above.

Type
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

4. First aid measures

4.1 Description of first aid measures
Eye contact: In case of contact, immediately flush eyes with plenty of water for at least
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Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

Skin contact: Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed
See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed
Notes to physician: Treatment should in general be symptomatic and directed to relieving any effects. Note: High Pressure Applications. Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured...
and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use foam or all-purpose dry chemical to extinguish.

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products: Combustion products may include the following:
- carbon oxides (CO, CO2) (carbon monoxide, carbon dioxide)
- metal oxide/oxides
- phosphorus oxides

5.3 Advice for firefighters

Special precautions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Floors may be slippery; use care to avoid falling. Avoid breathing vapour or mist. Provide adequate ventilation. Put on appropriate personal protective equipment. Contact emergency personnel.

For emergency responders:

Entry into a confined space or poorly ventilated area contaminated with vapour, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the
6.3 Methods and material for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilt product. If emergency personnel are unavailable, contain spilt material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections
See Section 1 for emergency contact information.
See Section 5 for firefighting measures.
See Section 8 for information on appropriate personal protective equipment.
See Section 12 for environmental precautions.
See Section 13 for additional waste treatment information.
equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid contact of spilt material and runoff with soil and surface waterways. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store and use only in equipment/containers designed for use with this product. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations: See section 1.2 and Exposure scenarios in annex, if applicable.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
</table>

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Obere Weiden 12, 97424 Schweinfurt, Germany Phone: +49 9721 4756-0
www.zf.com/contact
SAFETY DATA SHEET
Conforms to Regulation (EC) No. 1907/2006 (REACH),
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Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA: 2 mg/m³ 8 hours.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Sulphate (hydrous)</td>
<td>Issued/Revised: 7/2013</td>
</tr>
<tr>
<td>Form:</td>
<td>Form: Inhalable fraction</td>
</tr>
<tr>
<td>PEAK: 4 mg/m³, 4 times per shift, 15 minutes.</td>
<td>PEAK: 0.4 mg/m³, 4 times per shift, 15 minutes.</td>
</tr>
<tr>
<td>Form:</td>
<td>Form: Respirable fraction</td>
</tr>
<tr>
<td>TWA: 0.1 mg/m³ 8 hours.</td>
<td>Issued/Revised: 7/2012</td>
</tr>
</tbody>
</table>

Recommended monitoring procedures
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Derived No Effect Level
No DNELs/DMELs available.

Predicted No Effect Concentration
No PNECs available

8.2 Exposure controls

Appropriate engineering controls
Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be
suitable for use, be kept in good condition and properly maintained. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

**Individual protection measures**

**Hygiene measures**
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection**
Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

**Eye/face protection**
Safety glasses with side shields.

**Skin protection**
Hand protection
General Information:
Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. The correct choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Most gloves provide protection for only a limited time before they must be discarded and replaced (even the best chemically resistant gloves will break down after repeated chemical exposures).
Gloves should be chosen in consultation with the supplier / manufacturer and taking account of a full assessment of the working conditions. Recommended: Nitrile gloves.

**Breakthrough time:**
Breakthrough time data are generated by glove manufacturers under laboratory test conditions and represent how long a glove can be expected to provide effective permeation resistance. It is important when following breakthrough time recommendations that actual workplace conditions are taken into account. Always consult with your glove supplier for up-to-date technical information on breakthrough times for the recommended glove type. Our recommendations on the selection of gloves are as follows:

**Continuous contact:**
Gloves with a minimum breakthrough time of 240 minutes, or >480 minutes if suitable gloves can be obtained.
If suitable gloves are not available to offer that level of protection, gloves with shorter breakthrough times may be acceptable as long as appropriate glove maintenance and replacement regimes are determined and adhered to.

**Short-term / splash protection:**
Recommended breakthrough times as above.
It is recognised that for short-term, transient exposures, gloves with shorter breakthrough times may commonly be used. Therefore, appropriate maintenance and replacement regimes must be determined and rigorously followed.

**Glove Thickness:**
For general applications, we recommend gloves with a thickness typically greater than 0.35 mm. It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times. Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers’ technical data should always be taken into account to ensure selection of the most appropriate glove for the task.

Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:

- Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.
- Thicker gloves (up to 3 mm or more) may be required where there is a
mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential.

**Skin and body:**

Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

**Refer to standards:**

Respiratory protection: EN529
Gloves: EN420, EN374
Eye protection: EN166

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Grease</td>
</tr>
<tr>
<td>Colour</td>
<td>Brown</td>
</tr>
<tr>
<td>Odour</td>
<td>Not available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point/freezing</td>
<td>Not available</td>
</tr>
<tr>
<td>Property</td>
<td>Value</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Product name</td>
<td>SACHS Hochleistungsfett, Tribol GR 400-3 PD</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>268°C (514.4°F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Density</td>
<td>&lt;1000 kg/m³ (&lt;1 g/cm³) at 20°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>insoluble in water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
9.2 Other information
No additional information.

10. Stability and reactivity

10.1 Reactivity
No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

10.2 Chemical stability
The product is stable.

10.3 Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not occur.

10.4 Conditions to avoid
Avoid all possible sources of ignition (spark or flame).

10.5 Incompatible materials
Reactive or incompatible with the following materials: oxidising materials.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>47164.2 mg/kg</td>
</tr>
</tbody>
</table>

Information on the likely routes of exposure
Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects
Vapour inhalation under ambient
Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

Ingestion
No known significant effects or critical hazards.

Skin contact
Defatting to the skin. May cause skin dryness and irritation.

Eye contact
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation
No specific data.

Ingestion
No specific data.

Skin contact
Adverse symptoms may include the following:
- irritation
- dryness
- cracking

Eye contact
No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation
Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.

Ingestion
Ingestion of large quantities may cause nausea and diarrhoea.

Skin contact
Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Eye contact
Potential risk of transient stinging or redness if accidental eye contact occurs.

Potential chronic health effects

General
No known significant effects or critical
Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

Carcinogenicity  No known significant effects or critical hazards.

Mutagenicity  No known significant effects or critical hazards.

Developmental effects  No known significant effects or critical hazards.

Eye contact  No known significant effects or critical hazards.

12. Ecological information

12.1 Toxicity
Environmental hazards  Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability
Expected to be biodegradable.

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil
Soil/water partition coefficient (KOC)  Not available.

Mobility  Non-volatile. Grease insoluble in water.

12.5 Results of PBT and vPvB assessment
PBT  Not applicable.

vPvB  Not applicable.

12.6 Other adverse effects
No known significant effects or critical hazards.

13. Disposal considerations

13.1 Waste treatment methods
Product
Methods of disposal  Where possible, arrange for product to be recycled. Dispose of via an
Hazardous waste

European waste catalogue (EWC)

Waste code 12 01 12*

Waste designation spent waxes and fats

However, deviation from the intended use and/or the presence of any potential contaminants may require an alternative waste disposal code to be assigned by the end user.

Packaging

Methods of disposal

Where possible, arrange for product to be recycled. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Waste code 15 01 10*

European waste catalogue (EWC) packaging containing residues of or contaminated by dangerous substances

Special precautions

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Empty containers represent a fire hazard as they may contain flammable product residues and vapour. Never weld, solder or braze empty containers. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
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14.1 UN number
ADN Not regulated
ADR Not regulated
RID Not regulated
IMDG Not regulated
IATA Not regulated

14.2 UN proper shipping name
ADN --
ADR --
RID --
IMDG --
IATA --

14.3 Transport hazard class(es)
ADN --
ADR --
RID --
IMDG --
IATA --

14.4 Packing group
ADN --
ADR --
RID --
IMDG --
IATA --

14.5 Environmental hazards
ADN No.
ADR No.
RID No.
IMDG No.
IATA No.

14.6 Special precautions for user
Not available

15. Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)
Annex XIV - List of substances subject to authorization

Substances of very high concern None of the components are listed.
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Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Not applicable.

Other regulations
REACH Status
The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

United States inventory (TSCA 8b)
All components are listed or exempted.

Australia inventory (AICS)
All components are listed or exempted.

Canada inventory
At least one component is not listed.

China inventory (IECSC)
All components are listed or exempted.

Japan inventory (ENCS)
At least one component is not listed.

Korea inventory (KECI)
All components are listed or exempted.

Philippines inventory (PICCS)
At least one component is not listed.

Taiwan inventory (CSNN)
Not determined.

National regulations
Hazard class for water
2 Appendix No. 4 (classified according VwVwS)

15.2 Chemical Safety Assessment
This product contains substances for which Chemical Safety Assessments are still required.

16. Other information
Full text of abbreviated H-Statements

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

- Acute Tox. 3, H301 ACUTE TOXICITY (oral) - Category 3
- Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4
- Aquatic Acute 1, H400 ACUTE AQUATIC HAZARD - Category 1
- Aquatic Chronic 1, H410 LONG-TERM AQUATIC HAZARD - Category 1
- Aquatic Chronic 2, H411 LONG-TERM AQUATIC HAZARD - Category 2
- Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
- Skin Corr. 1A, H314 SKIN CORROSION/IRRITATION - Category 1A
- Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
- Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1

Abbreviations and acronyms

- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- CAS = Chemical Abstracts Service
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- CSA = Chemical Safety Assessment
- CSR = Chemical Safety Report
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- DPD = Dangerous Preparations Directive [1999/45/EC]
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DSD = Dangerous Substances Directive [67/548/EEC]
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SADT = Self-Accelerating Decomposition Temperature
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVCB = Complex hydrocarbon substance
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Notice to reader

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Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD

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