

SAFETY DATA SHEET

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



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

ZF Aftermarket

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.



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

ZF Aftermarket

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.

SAFETY DATA SHEET

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



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

ZF Aftermarket

3. Composition/information on ingredients

3.2 Substance/mixture

Highly refined mineral oil and additives.
Thickening agent.

Classification

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

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

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[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

SAFETY DATA SHEET

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



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

ZF Aftermarket

	15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.
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

SAFETY DATA SHEET

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



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

ZF Aftermarket

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.

SAFETY DATA SHEET

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



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

ZF Aftermarket

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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

SAFETY DATA SHEET

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



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

ZF Aftermarket

product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

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.

7. Handling and storage

7.1 Precautions for safe handling

Protective measures:

Put on appropriate personal protective

SAFETY DATA SHEET

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



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

ZF Aftermarket

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

Product/ingredient name	Exposure limit values
-------------------------	-----------------------

SAFETY DATA SHEET

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



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

ZF Aftermarket

Zinc Sulphate (hydrous)	TWA: 2 mg/m ³ 8 hours. Issued/Revised: 7/2013 Form: Inhalable fraction PEAK: 4 mg/m ³ , 4 times per shift, 15 minutes. Issued/Revised: 7/2012 Form: Inhalable fraction PEAK: 0.4 mg/m ³ , 4 times per shift, 15 minutes. Issued/Revised: 7/2012 Form: Respirable fraction TWA: 0.1 mg/m ³ 8 hours. Issued/Revised: 7/2012 Form: Respirable fraction
-------------------------	--

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

SAFETY DATA SHEET

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



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

ZF Aftermarket

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).

SAFETY DATA SHEET

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



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

ZF Aftermarket

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



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

ZF Aftermarket

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

Physical state:	Grease
Colour:	Brown
Odour:	Not available.
Odour threshold:	Not available.
pH:	Not available.

Melting point/freezing	Not available.
------------------------	----------------

SAFETY DATA SHEETConforms to Regulation (EC) No. 1907/2006 (REACH),
Annex II - Germany**Product name: SACHS Hochleistungsfett, Tribol GR 400-3 PD**

ZF Aftermarket

point		
Initial boiling point and boiling range	Not available.	
Flash point	268°C (514.4°F)	Open cup [Estimated. Based on Lubricants - Base Oils]
Evaporation rate	Not available.	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or explosive limits	Not available.	
Vapour pressure	Not available.	
Vapour density	Not available.	
Relative density	Not available.	
Density	<1000 kg/m ³ (<1 g/cm ³) at 20°C	
Solubility(ies)	insoluble in water	
Partition coefficient: n-octanol/water	Not available.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Explosive properties	Not available.	
Oxidising properties	Not available.	

SAFETY DATA SHEET

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



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

ZF Aftermarket

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

Route	ATE value
Oral	47164.2 mg/kg

Information on the likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects
Inhalation

Vapour inhalation under ambient

SAFETY DATA SHEET

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



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

ZF Aftermarket

	conditions is not normally a problem due to low vapour pressure.
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

SAFETY DATA SHEET

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



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

ZF Aftermarket

authorised person/licensed waste disposal contractor in accordance with local regulations.

Hazardous waste

Yes.

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.

14 Transport information

SAFETY DATA SHEET

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



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

ZF Aftermarket

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.

SAFETY DATA SHEET

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



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

ZF Aftermarket

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.

SAFETY DATA SHEET

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



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

ZF Aftermarket

- 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]

SAFETY DATA SHEET

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



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

ZF Aftermarket

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
MARPOL 73/78 = International Convention for
the Prevention of Pollution From Ships, 1973
as modified by the Protocol of 1978. ("Marpol"
= marine pollution)
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

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

SAFETY DATA SHEET

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



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

ZF Aftermarket

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.