

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

#### 1.1 Product identifier

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

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

**Identified uses:** Lubricant

**Uses advised against:** No uses advised against identified.

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

**Manufacturer / Supplier**

Fuchs Schmierstoffe GmbH  
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68169 Mannheim

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to regulation (EU) 1272/2008 (CLP).

**Hazard summary**

**Physical Hazards:** No data available.

#### 2.2 Label Elements

EUH210: Safety data sheet available on request.

#### 2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

### SECTION 3: Composition/information on ingredients

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

### 3.2 Mixtures

**General information:** Mixture containing severely refined base oils and additives.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
baseoil, low viscous	EINECS: 276-738-4	20,00 - <50,00%	01-2119474889-13	
ZnDTP	EINECS: 272-028-3	1,00 - <2,50%		
Calcium long-chain alkylphenate sulfide	Confidential	1,00 - <5,00%	Confidential	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

### Classification

Chemical name	Identifier	Classification
baseoil, low viscous	EINECS: 276-738-4	CLP: Asp. Tox. 1;H304
ZnDTP	EINECS: 272-028-3	CLP: Eye Dam. 1;H318, Skin Irrit. 2;H315, Aquatic Chronic 2;H411
Calcium long-chain alkylphenate sulfide	Confidential	CLP: Aquatic Chronic 4;H413

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

**General:** Instantly remove any clothing soiled by the product.

### 4.1 Description of first aid measures

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids.

**Skin Contact:** Wash with soap and water. The product is not skin irritating.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause skin and eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed** Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture:** During fire, gases hazardous to health may be formed.

### 5.3 Advice for firefighters

**Special fire fighting procedures:** Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** In case of spills, beware of slippery floors and surfaces.

**6.2 Environmental Precautions:** Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.

**6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

**6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

**7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

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**7.3 Specific end use(s):** No data available.

**Storage Class:** 10, Combustible liquids

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control Parameters**

#### **Occupational Exposure Limits**

None of the components have assigned exposure limits.

### **8.2 Exposure controls**

#### **Appropriate engineering controls:**

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

##### **General information:**

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

##### **Eye/face protection:**

Safety glasses (EN 166) recommended during refilling.

##### **Skin protection**

##### **Hand Protection:**

Material: Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

##### **Other:**

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

##### **Respiratory Protection:**

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

##### **Thermal hazards:**

Not known.

##### **Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

##### **Environmental Controls:**

No data available.

Product name: POLO 4T LEICHTLAUFOEL 10W-40

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state:	liquid
Color:	Amber
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	not applicable
Freezing point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	234 °C
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)-:	Not applicable for mixtures
Flammability Limit - Lower (%)-:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	0,86 g/ml (15,00 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Kinematic viscosity:	91,7 mm <sup>2</sup> /s (40,00 °C)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	No data available.

## SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

###### Product:

Not classified for acute toxicity based on available data.

###### Specified substance(s)

baseoil, low viscous

LD 50 (Rat): > 2.001 mg/kg

ZnDTP

No data available.

Calcium long-chain  
alkylphenate sulfide

LD 50 (Rat): > 5.000 mg/kg

##### Dermal

###### Product:

Not classified for acute toxicity based on available data.

###### Specified substance(s)

baseoil, low viscous

LD 50 (Rabbit): > 2.001 mg/kg

ZnDTP

No data available.

Calcium long-chain  
alkylphenate sulfide

LD 50 (Rabbit): > 2.001 mg/kg

##### Inhalation

###### Product:

Not classified for acute toxicity based on available data.

###### Specified substance(s)

baseoil, low viscous

No data available.

ZnDTP

No data available.

Calcium long-chain  
alkylphenate sulfide

No data available.

##### Repeated dose toxicity

###### Product:

No data available.

###### Specified substance(s)

baseoil, low viscous

No data available.

ZnDTP

No data available.

Calcium long-chain  
alkylphenate sulfide

No data available.

##### Skin Corrosion/Irritation:

###### Product:

No data available.

###### Specified substance(s)

baseoil, low viscous

No data available.

ZnDTP

No data available.

Calcium long-chain  
alkylphenate sulfide

No data available.

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

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**Serious Eye Damage/Eye Irritation:**

**Product:**

The classification of this product is based all or in part on test data.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Respiratory or Skin Sensitization:**

**Product:**

No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:**

No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**In vivo**

**Product:**

No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Carcinogenicity**

**Product:**

No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Reproductive toxicity**

**Product:**

No data available.

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

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**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Other Adverse Effects:** No data available.

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Aquatic Invertebrates**

**Product:** No data available.



**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

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**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	EC 50 (Water Flea, 48 h): > 1.000 mg/l (OECD 202)

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	NOEC (Minnow, 96 d): > 1.000 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain alkylphenate sulfide	No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**



**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain	No data available.
alkylphenate sulfide	

**12.4 Mobility in Soil:** No data available.

**Known or predicted distribution to environmental compartments**

baseoil, low viscous	No data available.
ZnDTP	No data available.
Calcium long-chain	No data available.
alkylphenate sulfide	

**12.5 Results of PBT and vPvB assessment:** The product does not contain any substances fulfilling the PBT/vPvB criteria.

**12.6 Other Adverse Effects:** No data available.

**Water Hazard Class (WGK):** WGK 2: water-endangering.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

**European Waste Codes**

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

## SECTION 14: Transport information

### ADR/RID

14.1 UN Number:	—
14.2 UN Proper Shipping Name:	—
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Label(s):	—
Hazard No. (ADR):	—
Tunnel restriction code:	—
14.4 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—



**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

#### ADN

14.1 UN Number: —  
14.2 UN Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
Class: Non-dangerous goods  
Label(s): —  
14.3 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

#### IMDG

14.1 UN Number: —  
14.2 UN Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
Class: Non-dangerous goods  
Label(s): —  
EmS No.: —  
14.3 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

#### IATA

14.1 UN Number: —  
14.2 Proper Shipping Name: —  
14.3 Transport Hazard Class(es)  
Class: Non-dangerous goods  
Label(s): —  
14.4 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** not applicable.

### SECTION 15: Regulatory information

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

##### EU Regulations

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

##### National Regulations

Local regulations are to be kept

**Water Hazard Class (WGK):** WGK 2: water-endangering.

**15.2 Chemical safety** No Chemical Safety Assessment has been carried out.

**Product name:** POLO 4T LEICHTLAUFOEL 10W-40

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**assessment:**

<b>SECTION 16: Other information</b>
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**Revision Information:** Vertical lines in the margin indicate an amendment.

**Wording of the H-statements in section 2 and 3**

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Other information:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

**Revision Date:** 10.12.2015

**Disclaimer:** The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.