

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OKS 340  
Chemical nature : Synthetic hydrocarbon oil

#### Manufacturer or supplier's details

Company : OKS Spezialschmierstoffe GmbH  
Ganghoferstr. 47  
D-82216 Maisach-Gernlinden  
Tel.: +49 8142 3051 500  
Fax.: +49 8142 3051 599

E-mail address of person responsible for the SDS : mcm@oks-germany.com  
National contact :  
Emergency telephone number : +86 512 8090 3042 (NCEC, 24 hrs)  
+86 532 8388 9090 (NRCC)

#### Recommended use of the chemical and restrictions on use

Recommended use : Lubricant  
Restrictions on use : Restricted to professional users.

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

<b>Appearance</b>	: liquid
<b>Colour</b>	: green
<b>Odour</b>	: characteristic

Causes serious eye irritation.

#### GHS Classification

Eye irritation : Category 2A

#### GHS label elements


# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version 2.6      Revision Date: 2019-11-07      Date of last issue: 2018-08-14      Print Date: 2019-11-07  
Date of first issue: 2014-04-07

Hazard pictograms : 

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.

**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

### Physical and chemical hazards

Not classified based on available information.

### Health hazards

Causes serious eye irritation.

### Environmental hazards

Not classified based on available information.

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8	>= 1 -< 2.5
Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 1 -< 10

## 4. FIRST AID MEASURES

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version 2.6	Revision Date: 2019-11-07	Date of last issue: 2018-08-14 Date of first issue: 2014-04-07	Print Date: 2019-11-07
----------------	------------------------------	---	---------------------------

- If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
Seek medical advice.
- If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Rinse mouth with water.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : No information available.  
None known.
- Notes to physician : No information available.

## 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon oxides  
Metal oxides  
Oxides of phosphorus  
Sulphur oxides
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version 2.6	Revision Date: 2019-11-07	Date of last issue: 2018-08-14 Date of first issue: 2014-04-07	Print Date: 2019-11-07
----------------	------------------------------	---	---------------------------

for firefighters                      Use personal protective equipment.  
Exposure to decomposition products may be a hazard to health.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Do not breathe vapours or spray mist.  
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## 7. HANDLING AND STORAGE

### Handling

- Advice on safe handling : Do not breathe vapours or spray mist.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not repack.  
Do not re-use empty containers.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.

- Avoidance of contact : No materials to be especially mentioned.

### Storage

- Conditions for safe storage : Store in original container.  
Keep container closed when not in use.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

Keep in a dry, cool and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Store in accordance with the particular national regulations.  
Keep in properly labelled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : none

### Personal protective equipment

Respiratory protection : Not required; except in case of aerosol formation.

Filter type : Filter type A-P

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection

Material : butyl-rubber

Protective index : Class 1

Remarks : Wear protective gloves. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : green

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version 2.6	Revision Date: 2019-11-07	Date of last issue: 2018-08-14 Date of first issue: 2014-04-07	Print Date: 2019-11-07
----------------	------------------------------	---	---------------------------

Odour : characteristic

Odour Threshold : No data available

pH : Not applicable

Melting point/range : No data available

Boiling point/boiling range : 221 °C  
(1,013 hPa)

Flash point : 214 °C  
Method: ISO 2592

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Self-ignition : not auto-flammable

Upper explosion limit / Upper flammability limit : 7 %(V)

Lower explosion limit / Lower flammability limit : 0.6 %(V)

Vapour pressure : 32.5 hPa (20 °C)

Relative vapour density : No data available

Density : 0.88 g/cm<sup>3</sup> (20 °C)

Bulk density : No data available

Solubility(ies)  
Water solubility : insoluble  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version 2.6	Revision Date: 2019-11-07	Date of last issue: 2018-08-14 Date of first issue: 2014-04-07	Print Date: 2019-11-07
----------------	------------------------------	---	---------------------------

Viscosity, dynamic : No data available  
Viscosity, kinematic : 440 mm<sup>2</sup>/s ( 40 °C)  
Explosive properties : Not explosive  
Oxidizing properties : No data available  
Sublimation point : No data available  
Metal corrosion rate : Not corrosive to metals

### 10. STABILITY AND REACTIVITY

Reactivity : No hazards to be specially mentioned.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Conditions to avoid : No conditions to be specially mentioned.  
Incompatible materials : No materials to be especially mentioned.  
Hazardous decomposition products : No decomposition if stored and applied as directed.

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method  
Acute inhalation toxicity : Remarks: This information is not available.  
Acute dermal toxicity : Remarks: This information is not available.

##### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Acute oral toxicity : LD50 (Rat, male): 3,100 mg/kg  
Method: OECD Test Guideline 401  
GLP: no  
Acute dermal toxicity : LD50 (Rabbit, male): > 5,000 mg/kg

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

Method: OECD Test Guideline 402  
GLP: no

### Skin corrosion/irritation

#### Product:

Remarks : This information is not available.

#### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Species : Rabbit  
Assessment : No skin irritation  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

### Serious eye damage/eye irritation

#### Product:

Remarks : Irritating to eyes.

#### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Species : Rabbit  
Result : Risk of serious damage to eyes.  
Assessment : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405  
GLP : yes

### Respiratory or skin sensitisation

#### Product:

Remarks : This information is not available.

#### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Test Type : Maximisation Test  
Species : Guinea pig  
Assessment : Did not cause sensitisation on laboratory animals.  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.  
GLP : yes



# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

### Sulfonic acids, petroleum, calcium salts:

Assessment : The product is a skin sensitiser, sub-category 1B.

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

#### Product:

Remarks : No data available

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

### Repeated dose toxicity

#### Product:

Remarks : This information is not available.

### Aspiration toxicity

#### Product:

This information is not available.

### Components:

#### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

No aspiration toxicity classification

### Further information

#### Product:

Remarks : Information given is based on data on the components and the toxicology of similar products.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

#### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4.4 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 75 mg/l  
Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 240 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 0.8 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: Information given is based on data obtained from similar substances.

Toxicity to microorganisms : EC50 (Pseudomonas putida): 380 mg/l  
Exposure time: 16 h  
Test Type: static test  
GLP: yes

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

### Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

Physico-chemical removability : Remarks: No data available

#### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Biodegradability : Result: Not rapidly biodegradable  
Biodegradation: < 5 %  
Exposure time: 27 d  
Method: OECD Test Guideline 301D  
GLP: no

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

#### Components:

##### **zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):**

Partition coefficient: n-octanol/water : log Pow: 3.59 (22 °C)  
pH: 5  
Method: OECD Test Guideline 107  
GLP: yes

### Mobility in soil

#### Product:

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

### Other adverse effects

#### Product:

Additional ecological information : No information on ecology is available.

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

### Components:

#### zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):

Results of PBT and vPvB assessment : Non-classified PBT substance Non-classified vPvB substance

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.
- Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### GB 6944/12268

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

## 15. REGULATORY INFORMATION

### National regulatory information

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

### Regulations on Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals : Not applicable

Hazardous Chemicals for Priority Management under SAWS : Not applicable

### Regulations on Labour Protection in Workplaces where Toxic Substances are Used

Catalogue of Highly Toxic Chemicals : Not applicable

### Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals

China Severely Restricted Toxic Chemicals for Import and Export : Not applicable

### The components of this product are reported in the following inventories:

IECSC : On the inventory, or in compliance with the inventory

## 16. OTHER INFORMATION

Date format : yyyy/mm/dd

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); EC<sub>x</sub> - Concentration associated with x% response; EL<sub>x</sub> - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErC<sub>x</sub> - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC<sub>50</sub> - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dan-

# SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519  
CN



## OKS 340

Version	Revision Date:	Date of last issue: 2018-08-14	Print Date:
2.6	2019-11-07	Date of first issue: 2014-04-07	2019-11-07

gerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

### Disclaimer

This safety data sheet applies only to products originally packed and labelled by OKS Spezialschmierstoffe. The information contained therein may not be reproduced or modified without the express written permission of OKS Spezialschmierstoffe. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of our safety data sheets (e.g. as a document for download from the Internet) is not permitted without the express written consent of OKS Spezialschmierstoffe. OKS Spezialschmierstoffe provides its customers with amended safety data sheets as prescribed by law. The customer is responsible for passing on safety data sheets and any amendments contained therein to its own customers, employees and other users of the product. OKS Spezialschmierstoffe provides no guarantee that safety data sheets received by users from third parties are up-to-date. All information and instructions in this safety data sheet have been compiled to the best of our knowledge and are based on the information available to us on the day of publication. The information provided is intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship. The existence of a safety data sheet for a particular jurisdiction does not necessarily mean that import or use within that jurisdiction is legally permitted. If you have any questions, please contact your responsible sales contact or authorised trading partner of OKS Spezialschmierstoffe.