

## SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

**Product name:** TRENOIL SPW 101

**Other means of identification:** For further information, please refer to section 9 of the SDS.

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

**Identified uses:** Metal working

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

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

**Manufacturer**

Fuchs Schmierstoffe GmbH  
Friesenheimer Str. 19  
68169 Mannheim

US Distributor  
Fuchs Lubricants Co.  
17050 Lathrop Avenue  
Harvey, IL 60426  
(708) 333-8900  
(800) 255-3924 24 hrs Emergency

Telephone: +49 621 3701-0 (ZENTRALE)  
Fax: +49 621 3701-570

**Contact Person:**

Telephone: +49 621 3701-1333  
Fax: +49 621 3701-7303  
E-mail: PRODUKTSICHERHEIT@FUCHS-SCHMIERSTOFFE.DE

**1.4 US contact telephone :** 708-333-8900

**Emergency telephone:** 800-255-3924

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

**Health Hazards**

Serious Eye Damage/Eye Irritation Category 2

**Hazard summary**

**Physical Hazards:** No data available.

Product name: TRENOIL SPW 101

## 2.2 Label Elements



**Signal Words:** Warning

**Hazard Statement(s):** H319: Causes serious eye irritation.

### Precautionary Statements

**Prevention:** P264: Wash thoroughly after handling.  
P280: Wear protective gloves/protective clothing/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.

**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.

**Unknown toxicity:** Due to information available product does not contain any ingredients of unknown toxicity.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**General information:** Mixture of the substances listed below with harmless additions. This product is applied only as solution or emulsion in water.

Chemical name	Identifier	Concentration *	Notes
Glycol derivative	112-34-5	7.00 - 13.00%	
Fatty alcohol ethoxylate	Polymer	1.00 - 5.00%	
Organic polysulphide	68425-15-0	1.00 - 5.00%	
acid, ionic equilibrium with organic bases	Neutralisation product (*)	>=1.00 - <=5.00%	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.  
PBT: persistent, bioaccumulative and toxic substance.

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vPvB: very persistent and very bioaccumulative substance.

(\*) Neutralisation product: Equilibrium of Ionic Pairs in aqueous solution according to REACH Annex V, 4.

### Classification

Chemical name	Classification	
Glycol derivative	112-34-5	Eye Irrit. 2;H319
Fatty alcohol ethoxylate	Polymer	Eye Dam. 1;H318, Acute Tox. 4;H302
Organic polysulphide	68425-15-0	Aquatic Chronic 4;H413
acid, ionic equilibrium with organic bases	Neutralisation product (*)	Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 3;H412

## 4 FIRST AID MEASURES

**General:** Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

### 4.1 Description of first aid measures

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

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**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:** Causes serious eye irritation.

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

## SECTION 5: Firefighting measures

### 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.

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- |   |   |
|---|---|
| <b>5.2 Special hazards arising from the substance or mixture:</b> | During fire, gases hazardous to health may be formed.   |
| <b>5.3 Advice for firefighters</b>                                |   |
| <b>Special fire fighting procedures:</b>                          | No data available.  |
| <b>Special protective equipment for fire-fighters:</b>            | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |

#### SECTION 6: Accidental release measures

- |   |  |
|---|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | In case of spills, beware of slippery floors and surfaces.   |
| <b>6.2 Environmental Precautions:</b>   | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). |
| <b>6.3 Methods and material for containment and cleaning up:</b>                | Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).  |
| <b>6.4 Reference to other sections:</b>   | 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.     |
|   | Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.             |

#### SECTION 7: Handling and storage:

- |  |  |
|--|--|
| <b>7.1 Precautions for safe handling:</b>                                | Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. |
| <b>7.2 Conditions for safe storage, including any incompatibilities:</b> | Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols.   |
| <b>7.3 Specific end use(s):</b>  | not applicable   |

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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1.Exposure Limits

None of the components have assigned exposure limits.

### 8.2.Exposure controls

#### Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. 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:

Seek advice from local supervisor. Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

##### Thermal hazards:

No data available.

##### 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.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Brown
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	8.5 (25 g/l)
<b>Freezing point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	Value not relevant for classification
<b>Flash Point:</b>	not applicable
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Flammability Limit - Upper (%)—:</b>	Not applicable for mixtures
<b>Flammability Limit - Lower (%)—:</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Vapor density (air=1):</b>	Not applicable for mixtures
<b>Density:</b>	1.05 g/ml (15.00 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Autoignition Temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>Kinematic viscosity:</b>	14.2 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.

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**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.

## 11 TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Contact:** No data available.

**Eye contact:** Causes eye irritation.

### Acute toxicity

#### Oral

**Product:** ATEmix: 5,334 mg/kg

**Specified substance(s)**

Glycol derivative LD 50 (Rat): 3,384 mg/kg

Fatty alcohol ethoxylate LD 50 (Rat): 300 - 2,000 mg/kg

#### Dermal

**Product:** ATEmix: 10,707 mg/kg

**Specified substance(s)**

Glycol derivative LD 50 (Rabbit): 2,700 mg/kg

#### Inhalation

**Product:** Not classified for acute toxicity based on available data.

#### Skin Corrosion/Irritation:

**Product:** Based on available data, the classification criteria are not met.

#### Serious Eye Damage/Eye Irritation:

**Product:** Based on available data, the classification criteria are not met.

**Product name:** TRENOIL SPW 101

**Respiratory or Skin Sensitization:**

**Product:** Skin sensitizer: Based on available data, the classification criteria are not met.  
Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

**Product:** Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:** Based on available data, the classification criteria are not met.

**IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**NTP: US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**OSHAS: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** Based on available data, the classification criteria are not met.

**12 ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Fish**

**Specified substance(s)**

Glycol derivative LC 50 (Fish, 96 h): 1,300 mg/l



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Fatty alcohol ethoxylate LC 50 (Fish, 96 h): > 10.1 mg/l

**Aquatic Invertebrates**

**Specified substance(s)**

Glycol derivative EC 50 (Water Flea, 48 h): > 101 mg/l

Fatty alcohol ethoxylate EC 50 (Water Flea, 48 h): > 10.1 mg/l

**Chronic ToxicityProduct:** Based on available data, the classification criteria are not met.

**Toxicity to Aquatic Plants**

**Specified substance(s)**

Glycol derivative EC 50 (Alga, 96 h): > 101 mg/l

Fatty alcohol ethoxylate EC 50 (Alga, 72 h): > 10.1 mg/l

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** Not applicable for mixtures

**12.3 Bioaccumulative potential**

**Product:** Not applicable for mixtures

**12.4 Mobility in soil:**

**Product:** Not applicable for mixtures

**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.

**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.

**Product name:** TRENOIL SPW 101

## 14 TRANSPORT INFORMATION

### DOT

Not regulated.

### IMDG - International Maritime Dangerous Goods Code

Not regulated.

### IATA

Not regulated.

## 15 REGULATORY INFORMATION

### US Federal Regulations

### US State Regulations

### Inventory Status

NDSL	Not in compliance with the inventory.
DSL	On or in compliance with the inventory
TSCA	On or in compliance with the inventory

## 16 OTHER INFORMATION

**Revision Information:** Vertical lines in the margin indicate an amendment.

### Wording of the R-phrases and H-statements in section 2 and 3

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Training information:** Follow training instructions when handling this material.

**Revision Date:** 22.12.2016

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**Product name:** TRENOIL SPW 101

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**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.