



## 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:** BRILUBE 40

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

**Identified uses:** Anticorrosion product Anticorrosion product Cleaning agent/ Cleaner

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

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

**Manufacturer / Supplier** FUCHS LUBRICANTS (UK) PLC.  
New Century Street  
Hanley  
Stoke-on-Trent, Staffordshire, ST1 5HU  
UK

Telephone: +44 (0) 1782 203700

**Contact Person:** Product Safety department  
Telephone: +44 (0) 1782 203700  
E-mail: product.safety@fuchs-oil.com

**1.4 Emergency telephone number:** +44 (0) 1782 203700

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

#### Classification according to Regulation (EC) No 1272/2008 as amended.

##### Physical Hazards

Flammable liquids Category 3 H226: Flammable liquid and vapor.

##### Health Hazards

Specific Target Organ Toxicity - Single Exposure Category 3 H336: May cause drowsiness or dizziness.

Specific Target Organ Toxicity - Repeated Exposure Category 1 H372: Causes damage to organs through prolonged or repeated exposure.

##### Environmental Hazards

Chronic hazards to the aquatic environment Category 2 H411: Toxic to aquatic life with long lasting effects.

**Product name:** BRILUBE 40

**Hazard summary**

**Physical Hazards:** Can form flammable vapour-air mixtures during the application.

**Health Hazards**

**Inhalation:** Has a narcotic effect.

**2.2 Label Elements**

**Contains:** White Spirt, low viscous



**Signal Words:** Danger

**Hazard Statement(s):** H226: Flammable liquid and vapor.  
H336: May cause drowsiness or dizziness.  
H372: Causes damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statement**

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P273: Avoid release to the environment.

**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**

**3.2 Mixtures**

**General information:** Mixture based on severely refined mineral base oils and corrosion preventive agents in volatile hydrocarbons with a flashpoint below 55°C.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
White Spirt, low viscous	EC: 919-446-0	25,00 - <50,00%	01-2119458049-33	

\* 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.



**Product name:** BRILUBE 40

**Classification**

Chemical name	Identifier	Classification
White Spirt, low viscous	EC: 919-446-0	CLP: Asp. Tox. 1;H304, Flam. Liq. 3;H226, STOT SE 3;H336, Aquatic Chronic 2;H411, STOT RE 1;H372

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:** Get medical attention if symptoms occur. Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with water and soap; pay attention: skin degreasing product.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** Headache.

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

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**5.1 Extinguishing media**

**Suitable extinguishing media:** CO2, 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:** Avoid water in straight hose stream; will scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture:** Can form explosive vapor-air mixtures at higher temperatures.

**5.3 Advice for firefighters**

**Product name:** BRILUBE 40

<b>Special fire fighting procedures:</b>	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.
<b>Special protective equipment for fire-fighters:</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. 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>	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. In case of spills, beware of slippery floors and surfaces. Keep away from sources of ignition - No smoking.
<b>6.2 Environmental Precautions:</b>	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Prevent from spreading (e.g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water.
<b>6.3 Methods and material for containment and cleaning up:</b>	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.
<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>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Use only in well-ventilated areas. Risk of vapor concentration on the floor and in low-lying areas. 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.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Store in a well-ventilated place. Store in a cool place. Local regulations concerning handling and storage of waterpolluting products have to be followed. The precautions for storing and handling of flammable liquids have to be kept. Local regulations for common storage of flammable liquids have to be followed. Do not heat up to temperatures close to the flash point.
<b>7.3 Specific end use(s):</b>	not applicable

Product name: BRILUBE 40

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**Storage Class:** 3, Flammable 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.

## SECTION 9: Physical and chemical properties

**Product name:** BRILUBE 40

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	Viscous Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	not applicable
<b>Freezing point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	153 °C
<b>Flash Point:</b>	38 °C
<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>	0,84 g/cm <sup>3</sup> (15 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<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>	1.000 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

#### 9.2 Other information

No data available.

### SECTION 10: Stability and reactivity

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

Product name: BRILUBE 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)**

White Spirt, low viscous

LD 50 (Rat): > 15.000 mg/kg

##### Dermal

**Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

White Spirt, low viscous

LD 50 (Rat): > 3.000 mg/kg

##### Inhalation

**Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

White Spirt, low viscous

LC 50 (Rat, 4 h): > 13,1 mg/l

##### Repeated dose toxicity

**Product:**

No data available.

**Specified substance(s)**

White Spirt, low viscous

No data available.

##### Skin Corrosion/Irritation:

**Product:**

No data available.

**Specified substance(s)**

White Spirt, low viscous

No data available.

##### Serious Eye Damage/Eye Irritation:

**Product:**

No data available.

**Specified substance(s)**

White Spirt, low viscous

No data available.

##### Respiratory or Skin Sensitization:

**Product:**

No data available.

**Specified substance(s)**

White Spirt, low viscous

No data available.

**Product name:** BRILUBE 40

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### **Germ Cell Mutagenicity**

#### **In vitro**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

#### **In vivo**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

### **Carcinogenicity**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

### **Reproductive toxicity**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

### **Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

### **Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

### **Aspiration Hazard**

**Product:** No data available.

#### **Specified substance(s)**

White Spirt, low viscous No data available.

### **Other Adverse Effects:**

No data available.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Acute toxicity**



**Product name:** BRILUBE 40

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**Fish**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous EC 50 (Water Flea, 48 h): 100 - 200 mg/l (OECD 202)

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

White Spirt, low viscous No data available.

**12.4 Mobility in Soil:**

No data available.

**Known or predicted distribution to environmental compartments**

White Spirt, low viscous No data available.

**12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

**Product name:** BRILUBE 40

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**12.6 Other Adverse Effects:** Toxic to aquatic life with long lasting effects.

**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:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

#### European Waste Codes

12 01 99: wastes not otherwise specified

### SECTION 14: Transport information

#### ADR/RID

14.1 UN Number: UN 1993  
14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(White Spirt, low viscous)  
14.3 Transport Hazard Class(es)  
Class: 3  
Label(s): 3  
Hazard No. (ADR): 30  
Tunnel restriction code: (D/E)  
14.4 Packing Group: III  
14.5 Environmental hazards: Dangerous for the environment  
14.6 Special precautions for user: –

#### IMDG

14.1 UN Number: UN 1993  
14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(White Spirt, low viscous)  
14.3 Transport Hazard Class(es)  
Class: 3  
Label(s): 3  
EmS No.: F-E, S-E  
14.3 Packing Group: III  
14.5 Environmental hazards: Marine pollutant  
14.6 Special precautions for user: –

**Product name:** BRILUBE 40

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**IATA**

14.1 UN Number: UN 1993  
14.2 Proper Shipping Name: Flammable liquid, n.o.s.(White Spirt, low viscous)  
14.3 Transport Hazard Class(es):  
Class: 3  
Label(s): 3  
14.4 Packing Group: III  
14.5 Environmental hazards: Dangerous for the environment  
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

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

**SECTION 16: Other information**

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

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

H226 Flammable liquid and vapor.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

**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:** 13.01.2016



**Product name:** BRILUBE 40

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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.