



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: SILKOLENE PRO BOOST

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

Identified uses: Additive

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: 01782 203700

Contact Person: Product Safety department
Telephone: 01782 203700
E-mail: product.safety@fuchs-oil.com

1.4 Emergency telephone number: 01782 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 2 H225: Highly flammable liquid and vapor.

Health Hazards

Acute toxicity (Dermal) Category 4 H312: Harmful in contact with skin.

Skin irritation Category 2 H315: Causes skin irritation.

Toxic to reproduction Category 2 H361: Suspected of damaging fertility or the unborn child.

Product name: SILKOLENE PRO BOOST

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

Contains: tert-butyl methyl ether
Toluene



Signal Words: Danger

Hazard Statement(s): H225: Highly flammable liquid and vapor.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H361d: Suspected of damaging the unborn child.

Precautionary Statement

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P262: Do not get in eyes, on skin, or on clothing.
P281: Use personal protective equipment as required.

Response: P312: Call a POISON CENTER/doctor if you feel unwell.

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:

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
tert-butyl methyl ether	50,00 - <100,00%	216-653-1		
Xylene	5,00 - <10,00%	215-535-7		
Toluene	3,00 - <5,00%	203-625-9		

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



Product name: SILKOLENE PRO BOOST

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	
tert-butyl methyl ether	CLP:	Flam. Liq. 2;H225, Skin Irrit. 2;H315
Xylene	CLP:	Flam. Liq. 3;H226, Acute Tox. 4;H312, Acute Tox. 4;H332, Skin Irrit. 2;H315
Toluene	CLP:	Flam. Liq. 2;H225, Asp. Tox. 1;H304, Repr. 2;H361d, STOT RE 2;H373, Skin Irrit. 2;H315, STOT SE 3;H336

CLP: Regulation No. 1272/2008.

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

SECTION 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: Remove contact lenses, if present and easy to do. Continue rinsing. Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Call a POISON CENTER/doctor/.../if you feel unwell. Take off immediately all contaminated clothing. Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.

Ingestion: Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: 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.

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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:

During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures:

No data available.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. 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.

6.2 Environmental Precautions:

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).

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).

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.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.



Product name: SILKOLENE PRO BOOST

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Avoid contact with eyes, skin, and clothing. 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. 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. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Store in a cool place. Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols.

7.3 Specific end use(s):

not applicable

Storage Class:

3, Flammable Liquids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
tert-butyl methyl ether	TWA	50 ppm 183,5 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
tert-butyl methyl ether	STEL	100 ppm 367 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Xylene	TWA	50 ppm 220 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Xylene	STEL	100 ppm 441 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Toluene	TWA	50 ppm 191 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Toluene	STEL	100 ppm 384 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Biological Limit Values

Chemical name	Exposure Limit Values	Source
Xylene (Methylhippuric acids: Sampling time: End of shift.)	650 mmol/mol (Creatinine in urine)	UKEH40BMGV (12 2011)

8.2 Exposure controls

Product name: SILKOLENE PRO BOOST

Appropriate engineering controls: Good general ventilation (typically 1-3 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. Avoid contact with eyes.

Skin protection

Hand Protection: 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Pale yellow
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	No data available.

Product name: SILKOLENE PRO BOOST

Freezing point:	No data available.
Boiling Point:	55 °C
Flash Point:	-30 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	10,5 %(V)
Flammability Limit - Lower (%)-:	2,1 %(V)
Vapor pressure:	58,1 hPa (20 °C)
Vapor density (air=1):	No data available.
Density:	0,86 g/cm ³ (20 °C)
Solubility(ies)	
Solubility in Water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	0,74 mm ² /s (40 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Heat, sparks, flames.
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.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	Harmful in contact with skin. Causes skin irritation.
Eye contact:	No data available.

Product name: SILKOLENE PRO BOOST

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

tert-butyl methyl ether	LD 50 (Rat): 4.000 mg/kg
Xylene	LD 50 (Rat): 8.700 mg/kg
Toluene	LD 50 (Rat): 5.000 mg/kg

Dermal

Product:

ATEmix: 1.081,08 mg/kg

Specified substance(s)

tert-butyl methyl ether	LD 50 (Rabbit): 1.000 mg/kg
Xylene	LD 50 (Rabbit): 2.000 mg/kg
Toluene	LD 50 (Rabbit): 12.124 mg/kg

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	LC 50 (Rat, 4 h): 6.350 mg/l Vapour
Toluene	No data available.

Repeated dose toxicity

Product:

No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Skin Corrosion/Irritation:

Product:

No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Serious Eye Damage/Eye Irritation:

Product:

No data available.

Product name: SILKOLENE PRO BOOST

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

In vivo

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Reproductive toxicity

Product: Suspected of damaging fertility or the unborn child.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Product name: SILKOLENE PRO BOOST

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
Xylene	No data available.
Toluene	No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

tert-butyl methyl ether	No data available.
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Product name: SILKOLENE PRO BOOST

Xylene No data available.
Toluene No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

tert-butyl methyl ether No data available.
Xylene No data available.
Toluene No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

tert-butyl methyl ether No data available.
Xylene No data available.
Toluene No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

tert-butyl methyl ether No data available.
Xylene No data available.
Toluene No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

tert-butyl methyl ether No data available.
Xylene No data available.
Toluene No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

tert-butyl methyl ether No data available.
Xylene No data available.
Toluene No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

tert-butyl methyl ether No data available.
Xylene No data available.
Toluene No data available.



Product name: SILKOLENE PRO BOOST

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

European Waste Codes

14 06 03*: other solvents and solvent mixtures

SECTION 14: Transport information

ADR/RID

14.1 UN Number: UN 1993
14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Methyl-tert-butylether, Xylol, Toluol)
14.3 Transport Hazard Class(es)
Class: 3
Label(s): 3
Hazard No. (ADR): 33
Tunnel restriction code: (D/E)
14.4 Packing Group: II
14.5 Environmental hazards: –
14.6 Special precautions for user: –

IMDG

14.1 UN Number: UN 1993
14.2 UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.(Methyl-tert-butylether, Xylol, Toluol)
14.3 Transport Hazard Class(es)
Class: 3
Label(s): 3
EmS No.: F-E, S-E
14.3 Packing Group: II
14.5 Environmental hazards: –
14.6 Special precautions for user: –



Product name: SILKOLENE PRO BOOST

IATA

14.1 UN Number: UN 1993
14.2 Proper Shipping Name: Flammable liquid, n.o.s.(Methyl-tert-butylether, Xylol, Toluol)
14.3 Transport Hazard Class(es):
Class: 3
Label(s): 3
14.4 Packing Group: II
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

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

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

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: 13.08.2015



Product name: SILKOLENE PRO BOOST

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.