

# Safety Data Sheet

LFFM 80

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

### 1.1. Product identifier

Trade name: LFFM 80

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

Recommended uses: Lubricant

For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
1 703-527-3887 (collect calls accepted)

Location:  
CHEMTREC  
2900 Fairview Park Drive  
Falls Church VA 22042-4513  
USA

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

#### Supplier

Company: SKF MAINTENANCE PRODUCTS

Address: P.O. Box 2350

Zip code: 3430 DT

City: Nieuwegein

Country: NETHERLANDS

E-mail: sebastien.david@skf.com

Phone: +31 306307200

Homepage: www.skf.com

### 1.4. Emergency Telephone Number

+31 30 6307200

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

HazCom classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

Most serious harmful effects: May cause slight irritation to the skin and eyes.

### 2.2. Label elements

The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

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### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No	Concentration	Notes
White mineral oil (petroleum)	8042-47-5	70 -< 90%	

#### Ingredient comments:

The mineral oils in the product contain <3% DMSO extract(IP 346).

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

Seek fresh air. Seek medical advice in case of persistent discomfort.

#### Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

#### Skin contact:

Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

#### Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

#### General:

Bring the safety data sheet or label when seeking medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

#### Unsuitable extinguishing media:

Do not use a jet of water, as it may spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Not flammable, but combustible. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

### 5.3. Advice for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapor and smoke gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Stop leak if this can be done without risk. Wear safety goggles if there is a risk of eye splash. Wear gloves.

**For emergency responders:** In addition to the above: Normal protective clothing is recommended.

#### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

#### 6.3. Methods and material for containment and cleaning up

Contain and absorb spills using sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

#### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

#### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area.

#### 7.3. Specific end use(s)

None.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Notations
Oil mist	OSHA		5		Oil mist, mineral oil	
Oil mist	ACGIH TWA		5		Pure, highly and severely refined	A4, I

A4 = Not Classifiable as a Human Carcinogen.

I = Inhalable fraktion.

**Measuring methods:** Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

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**Legal basis:** ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2017.  
OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below.

**Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash.

**Personal protective equipment, hand protection:** Plastic or rubber gloves recommended.

**Personal protective equipment, respiratory protection:** Not required.

In case of spraying/formation of spraying mists: Wear respiratory protective equipment.  
Filter type: A P.

**Environmental exposure controls:** Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Liquid
Colour	Yellow
Odour	Characteristic
Solubility	Not miscible with the following: Water.
Explosive properties	Non-explosive
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	> 200 °C	>392°F ISO 2592 (open cup)
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	< 0.001 hPa	(68 °F)
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

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### 9.2 Other information

Parameter	Value/unit	Remarks
Kinematic viscosity	80 mm <sup>2</sup> /s	(104 °F)
Density	0,91 g/cm <sup>3</sup>	(68 °F)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known data.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg		OECD 401	

Ingestion of large quantities may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - inhalation

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 5mg/l		OECD 403	

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The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Skin corrosion/irritation

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating	OECD 404	

May cause slight irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Serious eye damage/eye irritation

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating	OECD 405	

Temporary irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Respiratory sensitisation or skin sensitisation

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig	Maximisation Test			Non-sensitising	OECD 406	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Germ cell mutagenicity

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Salmonella typhimurium	Ames test			Negative		

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Carcinogenic properties:

The product does not have to be classified. Test data are not available. This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

#### Reproductive toxicity:

The product does not have to be classified. Test data are not available.

#### Single STOT exposure:

The product does not have to be classified. Test data are not available.

#### Repeated STOT exposure

##### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	NOAEL	90 d	1800mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Aspiration hazard:

The product does not have to be classified. Test data are not available.

#### Other toxicological effects:

None known.

### SECTION 12: Ecological information

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### 12.1. Toxicity

#### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	> 100mg/l		OECD 203	
Crustacea	Daphnia magna		48hEC50	> 100mg/l		OECD 202	
Crustacea	Daphnia magna		21dNOEC	≥ 1000mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

### 12.2. Persistence and degradability

#### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		31%	Not readily biodegradable.	OECD 301 B	

Expected to be biodegradable.

### 12.3. Bioaccumulative potential

#### White mineral oil (petroleum) , cas-no 8042-47-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	> 6			

No bioaccumulation expected.

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

None known.

### 12.6. Other adverse effects

None known.

German water pollution classification (WGK): 1

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste:

## SECTION 14: Transport information

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<b>14.1. UN-No.:</b>	Not applicable.	<b>14.4. Packing group:</b>	Not applicable.
<b>14.2. UN proper shipping name:</b>	Not applicable.	<b>14.5. Environmental hazards:</b>	Not applicable.
<b>14.3. Transport hazard class(es):</b>	Not applicable.		

### 14.6. Special precautions for user

None.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

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

**Special Provisions:** None.

#### Proposition 65

**Chemicals known to cause cancer:** None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity:** None of the ingredients are listed.

#### SARA

**Section 302:** None of the ingredients are listed.

**Section 313:** None of the ingredients are listed.

**Section 311/312:** Not included

**TSCA:** All ingredients are on the inventory or exempt from listing.

**CERCLA:** None of the ingredients are listed.

#### NFPA ratings

**Health hazard:** 0

**Flammability:** 1

**Instability:** 0

#### HMIS III ratings

**Health hazard:** 0

**Flammability:** 1

**Physical hazard:** 0

### 15.2. Chemical Safety Assessment

**Other Information:** Chemical safety assessment has not been performed.

## SECTION 16: Other information

### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	12/15/2017	Bureau veritas HSE/ KDC	



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2.0.0	2/22/2019	Bureau Veritas HSE/ SRU	1-16
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**Abbreviations:**  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very Persistent and Very Bioaccumulative  
 STOT: Specific Target Organ Toxicity

**Other Information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with CFR29, §1910.1200.

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Revision date:** 2/22/2019

**Replaces date:** 12/15/2017

**Classification method:** Calculation based on the hazards of the known components.

**Document language:** US