

# Safety Data Sheet

## LGAF 3E

Replaces date: 10/01/2025

Revision date: 04/08/2025

Version: 4.1.0

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

#### 1.1. Product identifier

Trade name: LGAF 3E

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

Recommended uses: Lubricant.

Inadvisable uses: None.

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

##### Supplier

Company: SKF UK Ltd  
 Address: 400 Capability Green  
 Zip code: LU1 3LU  
 City: Luton  
 Country: UNITED KINGDOM  
 Email: technical.helpdesk.uk@skf.com  
 Phone: +44 1582 490049  
 Homepage: www.skf.com

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures.

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

#### 2.2. Label elements

##### Supplemental information

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.  
 Endocrine disrupting properties: None known.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No./ EC No./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
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Calcium hydroxide	1305-62-0 215-137-3	30.0 -< 40.0 %		Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335  LD50 (Acute toxicity - oral): > 2000 mg/kg bw LD50 (Acute toxicity - dermal): > 2500 mg/kg bw LC50 (dust/mist) (Acute toxicity - inhalation): > 6.04 mg/l
White mineral oil (petroleum)	8042-47-5 232-455-8	20.0 -< 30.0 %	4	Asp. Tox. 1;H304  LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw ATE (dust/mist) (Acute toxicity - inhalation): > 5 mg/l
Paraffin-waxes-and-Hydrocarbon-waxes-	8002-74-2 647-510-5	1.0 -< 10 %		LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw

Please see section 16 for the full text of H- / EUH-phrases.

4 = H304 is not applicable due to the high viscosity of the product.

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

### 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:** When obtaining medical advice, show the safety data sheet or label.

#### 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: Firefighting 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 water stream, as it may spread the fire.

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### 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/ Phosphorous oxides/ Metal oxides/ Formaldehyde.

### 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Wear safety goggles if there is a risk of eye splash. Wear gloves. Provide good ventilation.

**For emergency responders:** In addition to the above: Normal protective clothing equivalent to EN 469 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 spill with 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

Running water and eye wash equipment must 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 not together with food, feed, medicine and the like. Keep in tightly closed original packaging. Do not store with the following: Strong oxidisers.

### 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	Comments
Calcium hydroxide	8h		1		Respirable fraction.	
Calcium hydroxide	15m		4		Respirable fraction.	
Calcium hydroxide	8h		5			

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Paraffin-waxes-and-Hydrocarbon-waxes-	8h		2			
Paraffin-waxes-and-Hydrocarbon-waxes-	15m		6			

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

**Legal basis:** EH40/2005 Workplace exposure limits. Last amended January 2020. Control of Lead at Work Regulations 2002. Control of Asbestos Regulations 2012.

### PNEC

Calcium hydroxide, cas-no 1305-62-0					
Exposure	Value	Assessment Factor	Extrapolation Method	Note	
PNEC aqua (freshwater)	0,49 mg/l				
PNEC aqua (marine water)	0,32 mg/l				
PNEC aqua (intermittent releases)	0,49 mg/l				
PNEC STP (wastewater-treatment facilities)	3 mg/l				
PNEC soil	1080 mg/kg				

### DNEL - workers

Calcium hydroxide, cas-no 1305-62-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	4 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m <sup>3</sup>				

### DNEL - general population

Calcium hydroxide, cas-no 1305-62-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	4 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m <sup>3</sup>				

### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below. Use the product under well-ventilated conditions, preferably outdoors.

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- Personal protective equipment, eye/face protection:** Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 16321.
- Personal protective equipment, hand protection:** In the event of direct skin contact, wear protective gloves: Type of material: Nitrile rubber/ Neoprene rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.  
The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.
- Personal protective equipment, respiratory protection:** Not required.  
  
Use process ventilation. If this is not possible, use respiratory equipment. Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.
- 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	Paste
Colour	White
Odour	Odourless
Solubility	No data

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit	No data	
Flash Point	160 °C	(closed cup)
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
relative density	1.1	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

Parameter	Value/unit	Remarks

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Explosive properties		Non-explosive
Oxidising properties		Non-oxidising.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with the following: Strong oxidisers.

#### 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

Strong oxidisers.

#### 10.6. Hazardous decomposition products

Degradable while forming: butene

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity - oral

##### Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw		OECD 425	

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

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

##### Paraffin-waxes-and-Hydrocarbon-waxes-, cas-no 8002-74-2

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

Ingestion 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

##### Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2500 mg/kg bw		OECD 402	

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

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg bw		OECD 402	

##### Paraffin-waxes-and-Hydrocarbon-waxes-, cas-no 8002-74-2

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg bw		OECD 402	

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

#### Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4h	> 6.04 mg/l		OECD 436	

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

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

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:** May irritate the skin - may cause reddening. According to tests, the product need not be classified.

**Serious eye damage/eye irritation:** May cause eye irritation. According to tests, the product need not be classified.

**Respiratory sensitisation or skin sensitisation:** The product does not have to be classified. Test data are not available.

**Germ cell mutagenicity:** The product does not have to be classified. Test data are not available.

**Carcinogenic properties:** The product does not have to be classified. Test data are not available.

**Reproductive toxicity:** The product does not have to be classified. Test data are not available.

**Single STOT exposure:** Inhalation of vapours may cause irritation to the upper airways. According to tests, the product need not be classified.

**Repeated STOT exposure:** The product does not have to be classified. Test data are not available.

**Aspiration hazard:** The product does not have to be classified. Test data are not available.

### 11.2. Information on other hazards

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Calcium hydroxide, cas-no 1305-62-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Raphidocelis subcapitata		72hNOEC	48 mg/l		OECD 201	
Algae	Raphidocelis subcapitata		72hEC50	184.47 mg/l		OECD 201	
Crustacea			14dNOEC	32 mg/l			

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Bacteria			3hEC50	300.4 mg/l		OECD 209	
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### White mineral oil (petroleum), cas-no 8042-47-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		72hNOEC	100 mg/l		OECD 201	
Crustacea	Daphnia magna		21dNOEC	10 mg/l			
Fish	Leuciscus idus		96hLC50	> 10000 mg/l		OECD 203	
Crustacea	Daphnia magna		48hLC50	> 100 mg/l		OECD 202	

### Paraffin-waxes-and-Hydrocarbon-waxes-, cas-no 8002-74-2

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLC50	> 100 mg/l		OECD 203	
Crustacea	Daphnia magna		48hLC50	> 10000 mg/l		OECD 202	
Algae	Raphidocelis subcapitata		72hEC50	> 1000 mg/l			
Algae	Raphidocelis subcapitata		72hNOEC	≥ 100 mg/l		OECD 201	
Fish	Oncorhynchus mykiss		28dNOEC	≥ 1000 mg/l			
Crustacea	Daphnia magna		21dNOEC	10 mg/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 F	

### Paraffin-waxes-and-Hydrocarbon-waxes-, cas-no 8002-74-2

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28d		80 %	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	5.18			

### Paraffin-waxes-and-Hydrocarbon-waxes-, cas-no 8002-74-2

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	3.17 - 18.02			

The product contains at least one substance that is bioaccumulative in organisms.

## 12.4. Mobility in soil

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

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Koc	510			

Not expected to be mobile in soil.

### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

### 12.6. Endocrine disrupting properties

None known.

### 12.7. 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 (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. 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:** EWC code: Depends on line of business and use, for instance 13 02 08\* other engine, gear and lubricating oils  
Absorbent/cloth contaminated with the product: EWC code: 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

## SECTION 14: Transport information

**14.1. UN number or ID number:** Not applicable.

**14.4. Packing group:** Not applicable.

**14.2. UN proper shipping name:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.3. Transport hazard class(es):** Not applicable.

### 14.6. Special precautions for user

None.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

**Other Information:** The product is not covered by the rules for transport of dangerous goods.

## SECTION 15: Regulatory information

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

**Special Provisions:** None.

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### 15.2. Chemical Safety Assessment

UK-REACH Reg. No.	Substance name
	White mineral oil (petroleum)

### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
4.1.0	04/08/2025	SRU	1,8,16

#### Abbreviations:

PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very Persistent and Very Bioaccumulative  
 STOT: Specific Target Organ Toxicity  
 DNEL: Derived No Effect Level  
 PNEC: Predicted No Effect Concentration

#### 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 Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) as subsequently changed.

#### Training advice:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

#### Classification method:

Test data.  
 Calculation based on the hazards of the known components.

#### Hazard statements

H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H335 May cause respiratory irritation.

#### Supplemental hazard information

EUH210 Safety data sheet available on request.

#### Country:

GB