

Safety Data Sheet

LGAF 3E

Replaces date: 05/05/2022

Revision date: 05/07/2023

Version: 2.4.0

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.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: SKF MPT
 Address: Meidoornkade 14
 Zip code: 3992 AE
 City: AE Houten
 Country: NETHERLANDS (KINGDOM OF THE)
 E-mail: support.mpt@skf.com
 Phone: +31 30 6307200
 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 substance 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

Assessment to determine PBT and vPvB has not been made.
 Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ 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 01-2119487078-27	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
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5 265-155-0	10.0 -< 20.0 %	4	Asp. Tox. 1;H304 LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw LC50 (dust/mist) (Acute toxicity - inhalation): > 3.11 mg/l
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0 265-169-7	1 -< 10 %		LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw LC50 (dust/mist) (Acute toxicity - inhalation): > 5 mg/l

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

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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.

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

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

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 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 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. 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

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Substance name	Time period	ppm	mg/m ³	fiber/cm3	Remarks	Comments
Calcium hydroxide	8h		1		Respirable fraction.	
Calcium hydroxide	15m		4		Respirable fraction.	
Calcium hydroxide	8h		5			

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.

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 ³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m ³				

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 ³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m ³				

8.2. Exposure controls

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

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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 166.
- 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.

By risk of inhalation of vapours/dust from the product, respiratory equipment with A/P-filter has to be used. 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	No data
Solubility	No data

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	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	No data	
Vapour pressure	No data	
Density	No data	
Relative density	1.1	
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

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

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	

Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic, cas-no 64742-65-0

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

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	

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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	

Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic, cas-no 64742-65-0

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

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	

Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	3 h	> 3.11 mg/l			

Distillates (petroleum), solvent-dewaxed heavy paraffinic, cas-no 64742-65-0

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

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: The product does not have to be classified. 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

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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			
Bacteria			3hEC50	300.4 mg/l		OECD 209	

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

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Lepomis macrochirus		96hLC50	> 10000 mg/l			
Fish	Oncorhynchus mykiss		96hLL50	> 100 mg/l		OECD 203	
Fish	Leuciscus idus		96hLL50	> 10000 mg/l		OECD 203	
Crustacea	Daphnia magna		48hLL50	> 100 mg/l		OECD 202	

Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		96hLC50	> 1000 mg/l		OECD 203	
Algae	Scenedesmus sp		96hEC50	> 1000 mg/l		OECD 201	
Fish	Pimephales promelas		7dNOEC	> 5000 mg/l			
Crustacea	Daphnia magna		21dNOEC	> 1000 mg/l			
Crustacea	Daphnia magna		48hEC50	> 1000 mg/l		OECD 202	
Crustacea	Gammarus sp.		96hEC50	> 10000 mg/l			

Distillates (petroleum), solvent-dewaxed heavy paraffinic, cas-no 64742-65-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLL50	> 100 mg/l			
Crustacea	Daphnia magna		48hEL50	> 10000 mg/l			
Algae	Pseudokirchneriella subcapitata		72hNOEC	> 100 mg/l			
Bacteria			10mNOEC	> 1.93 mg/l		DIN 38412	
Crustacea	Daphnia magna		21dNOEC	10 mg/l			

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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.

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		0 - 24 %		OECD 301 B	

Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		6 %		OECD 301 B	

Distillates (petroleum), solvent-dewaxed heavy paraffinic, cas-no 64742-65-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		2 %		OECD 301 B	

Not 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			
Fish			BCF	1900			

Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	3.9 - 6			

Distillates (petroleum), solvent-dewaxed heavy paraffinic, cas-no 64742-65-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	3.9 - 6			

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

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

No assessment has been made.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

German water pollution classification (WGK): 1

SECTION 13: Disposal considerations

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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.

15.2. Chemical Safety Assessment

REACH Reg. No.	Substance name
01-2119487078-27	White mineral oil (petroleum)

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.4.0	05/07/2023	Bureau Veritas HSE / DOL	2,3,8,11,12,15,16

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

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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.

List of relevant H-statements

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

List of relevant EUH-statements

EUH210 Safety data sheet available on request.

Country: GB