Safety Data Sheet

LGAF 3E

Replaces date: 25/03/2021

Revision date: 05/05/2022
Version: 2.3.0

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
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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Calcium hydroxide	1305-62-0 215-137-3	32.0 -< 44.0%		Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H335

Polybutene	9003-29-6 500-004-7	8.0 -< 12.0%	4	Asp. Tox. 1;H304
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5 265-155-0	6.0 -< 8.0%	4	Asp. Tox. 1;H304
Paraffin-waxes-and-Hydrocarbon-waxes-	8002-74-2 232-315-6	1.1 -< 2.1%		

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.

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

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. 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/m³	fiber/cm3	Remarks	Comments
Calcium hydroxide	15m		4		Respirable fraction.	
Calcium hydroxide	8h		1		Respirable fraction.	
Calcium hydroxide	8h		5			
Paraffin-waxes-and-Hydrocarbon-waxes-	15m		6			

Paraffin-waxes-and-Hydrocarbon-waxes-	8h		2			

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			
Distillates (petroleum), hydrotreated heavy naphthenic, cas-no 64742-52-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC oral (foodstuffs)	9,33 mg/kg food			

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/m³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m³				

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/m³				
Inhalation DNEL (long-term exposure - local effects)	1 mg/m³				

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. 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-octonol/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
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

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

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

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

Polybutene, cas-no 9003-29-6

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)	4 h	4.82 mg/l			

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

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 5.33mg/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: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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
Crustacea	Daphnia magna		48hEC50	49.1 mg/l		OECD 202	
Algae	Pseudokirchneriella subcapitata		72hEC50	184.57 mg/l		OECD 201	
Crustacea	Name of species not specified		14dNOEC	32 mg/l			
Bacteria	Name of species not specified		3hEC50	300.4 mg/l		OECD 209	
Fish	Gasterosteus aculeatus		96hLC50	457 mg/l			

Polybutene, cas-no 9003-29-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLC50	> 1000mg/l			
Crustacea	Daphnia magna		48hEC50	> 1000mg/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	Pimephales promelas		96hLL50	> 100mg/l		OECD 203	
Crustacea	Daphnia magna		48hEL50	> 10000mg/l			
Algae	Pseudokirchneriella subcapitata		72hEL50	> 100mg/l		OECD 201	
Bacteria	Name of species not specified		10mNOEC	≥ 1.93mg/l			
Crustacea	Daphnia magna		21dNOEL	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

Polybutene, cas-no 9003-29-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		93.9 %		OECD 310	

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

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		31 %		OECD 301 F	

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

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		80 %		OECD 301 B	

The product contains at least one readily biodegradable substance.

12.3. Bioaccumulative potential

Polybutene, cas-no 9003-29-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	2.89			

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

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

The product contains at least one substance with low bioaccumulative potential.

12.4. Mobility in soil

Polybutene, cas-no 9003-29-6

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Koc	43.79		Estimated	

The product contains at least one substance with high soil mobility.

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

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.

SECTION 14: Transport information

14.1. UN number or ID number: Not applicable.
14.2. UN proper shipping name: Not applicable.
14.3. Transport hazard class(es): Not applicable.
14.4. Packing group: Not applicable.
14.5. Environmental hazards: 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
	Distillates (petroleum), hydrotreated heavy naphthenic

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.3.0	05/05/2022	Bureau Veritas HSE / DOL	3,8,9,11,12,16

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 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: Calculation based on the hazards of the known components.
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