Safety Data Sheet

LGFQ 2

SECTION 1: Identification

1.1. Product identifier

Trade name: LGFQ 2

1.2. Recommended use and restrictions on use

Recommended uses: Lubricant.

Inadvisable uses: None.

1.3. Initial supplier identifier

Supplier

Company:	SKF Canada limited
Address:	40 Executive Court, , ON,
Zip code:	M1S 4N4
City:	Toronto
Country:	CANADA
E-mail:	christian.urday@skf.com
Phone:	416-892-5569

Manufacturer

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

+31 30 6307200

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

HPR classification: Eye Irritation - Category 2A;H319
Reproductive Toxicity - Category 2;H361f

Most serious harmful effects: Causes serious eye irritation. Suspected of damaging fertility.

2.2. Label elements

Pictograms

Signal word: Warning

Contains

Substance: Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene;

Hazard Statements

H319 Causes serious eye irritation.
H361f Suspected of damaging fertility.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

2.3. Other hazards known to the supplier

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	Concentration	Notes
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts	1335202-81-7	< 3 %	
Alkyl Naphthalene sulfonic acid, calcium salt		≤ 3 %	
Dec-1-ene, homopolymer, hydrogenated	68037-01-4	≤ 3 %	
Calcium hydroxide	1305-62-0	< 1 %	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	≤ 1 %	

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

SECTION 4: First-aid measures

4.1. Description of necessary 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 immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

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

4.2. Most important symptoms and effects, whether acute or delayed

Irritating to eyes. Causes a burning sensation and tearing. Suspected of damaging fertility.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1.Suitable and unsuitable 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. Specific hazards arising from the hazardous product

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

5.3. Special protective equipment and precautions for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Wear gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Wear safety goggles. Wear gloves. Provide good ventilation.

For emergency responders: In addition to the above: Protective suit 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

A risk assessment must assure that employees are not exposed to effects from carcinogenic, mutagenic, or reproductive toxic substances. Special work clothes must be worn. Neither smoking, eating nor drinking is allowed in the work room. Work clothes, personal protective equipment and private clothes must be stored separately. Do not carry work clothes and personal protective equipment during lunch breaks. There must be an easy access to washing and toilet facilities. A risk assessment must ensure that employees are not exposed to effects which might pose a risk by pregnancy or breastfeeding.A risk assessment must ensure that employees are not exposed to effects which might pose a risk by pregnancy or breastfeeding. 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

To be stored safely out of reach of children and not together with food, feed, medicine and the like. Keep in tightly closed original packaging. Store in a cool, dry place. Avoid direct sunlight. Do not store with the following: Strong oxidizers.

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	Notations
Calcium hydroxide	ACGIH TWA		5			
Calcium hydroxide	OSHA		15		Total dust	
Calcium hydroxide	OSHA		5		Respirable fraction.	
Mineral oil, excluding metal working fluids	OSHA		5		Oil mist, mineral oil	
Mineral oil, excluding metal working fluids	ACGIH TWA		5		Pure, highly and severely refined	A4, I

A4 = Not Classifiable as a Human Carcinogen.

I = Inhalable fraktion.

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

Legal basis: ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2024. OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006. There might be additional exposure limits due to regional and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

8.2. Exposure controls

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

Personal protective equipment, eye/face protection: Wear safety goggles.

Personal protective equipment, hand protection: In the event of direct skin contact, wear protective gloves: Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often.
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: Light use (small volume, short term contact (below 10 min.)): Not required.
Medium use, medium contact (below 2 hours): 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
physical state	Paste
Color	Brown Yellow
Odour	Characteristic
Solubility	Insoluble in the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	> 300 °C	(DIN ISO 3016)
Freezing point	No data	
Initial boiling point and boiling range	No data	
flammability, in the case of solids and gases	No data	
upper and lower flammability limits	No data	
Explosion limits	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature:	> 300 °C	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
partition coefficient — n-octanol/water	> 3.5	
Vapour pressure	No data	
Density	No data	
Relative density	0.9 g/cm³	(20 °C)
Relative vapour density	0.9	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Oxidizing properties		Non-oxidizing.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong oxidizers.

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

Avoid direct sunlight.

10.5. Incompatible materials

Strong oxidizers.

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/ Sulphur oxides/ Nitrous gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4445 mg/kg bw			

Alkyl Naphthalene sulfonic acid, calcium salt

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

Dec-1-ene, homopolymer, hydrogenated, cas-no 68037-01-4

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

Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		7340 mg/kg bw			

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2500 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

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

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

Dec-1-ene, homopolymer, hydrogenated, cas-no 68037-01-4

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

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	

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

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE (mix)		19.10 mg/l			

Dec-1-ene, homopolymer, hydrogenated, cas-no 68037-01-4

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	4 h	> 5.3 mg/l			

Calcium hydroxide, cas-no 1305-62-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (vapour)	4 h	20.1 mg/l			
Rat	LC50 (dust/mist)	4 h	5.1 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

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		4 h	2.7		OECD 404	

May irritate the skin - may cause reddening. 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

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit			1		OECD 405	

Irritating to eyes. Causes a burning sensation and tearing.

Respiratory sensitization or skin sensitization

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig				Non-sensitizing		

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: 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: Suspected of damaging fertility.

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

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. Ecotoxicity

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		96hEC50	29 mg/l		STDMETH, ASTM, USEPA	
Algae	Pseudokirchneriella subcapitata		96hNOEC	0.5 mg/l		STDMETH, ASTM, USEPA	
Crustacea	Daphnia magna		48hEC50	2.9 mg/l		OECD 202	
Fish	Lepomis macrochirus		96hLC50	1.67 mg/l		STDMETH, ASTM, USEPA	
Crustacea	Daphnia magna		48hNOEC	0.379 mg/l		OECD 211	

Dec-1-ene, homopolymer, hydrogenated, cas-no 68037-01-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Scenedesmus capricornutum		72hNOEL	1000 mg/l		OECD 201	
Algae	Scenedesmus capricornutum		72hEC50	> 1000 mg/l		OECD 201	
Crustacea	Daphnia magna		21dNOEL	125 mg/l		OECD 211	
Fish			96hLC50	751 mg/l			
Crustacea	Daphnia magna		48hEC50	191 mg/l			

Calcium hydroxide, cas-no 1305-62-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Pseudokirchneriella subcapitata		72hEC50	184.57 mg/l		OECD 201	
Crustacea			48hEC50	158 mg/l			
Fish	Gambusia affinis		96hLC50	160 ppm			
Algae	Pseudokirchneriella subcapitata		72hNOEC	48 mg/l		OECD 201	
Crustacea	Crangon septemspinosa		14dLC50	53.1 mg/l			

Crustacea	Crangon septemspinosa		14dNOEC	32 mg/l			

The product contains small quantities of environmentally hazardous substances. 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

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
	Activated sludge	28 d		> 90 %	Readily biodegradable.	OECD 301 B	

Alkyl Naphthalene sulfonic acid, calcium salt

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Readily biodegradable.		

Dec-1-ene, homopolymer, hydrogenated, cas-no 68037-01-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
					Not readily biodegradable.		

The product contains at least one readily biodegradable substance.

12.3. Bioaccumulative potential

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Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	> 3.5			

Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts, cas-no 1335202-81-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	2.9			

Alkyl Naphthalene sulfonic acid, calcium salt

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	6.6			

Dec-1-ene, homopolymer, hydrogenated, cas-no 68037-01-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	> 6.5			

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene, cas-no 68411-46-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	5.1			
			BCF	1730			

The product is potentially bioaccumulative.

12.4. Mobility in soil

Not expected to be mobile in soil. Test data are not available.

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

Oil products may cause soil and water pollution.

German water pollution classification (WGK): 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1. UN number: Not applicable.

14.2. United Nations proper shipping name: Not applicable.

14.3. Transport hazard class: Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user

None.

14.7. Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code))

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, made within or outside Canada, specific to the product in question

Special Provisions: None.

15.2. Chemical Safety Assessment

Substance name
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salts
Dec-1-ene, homopolymer, hydrogenated
Calcium hydroxide
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
4.1.0	2025-01-27	SRU	1,2,5,7,8,10,11,13,16

Safety Data Sheet

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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 Hazardous Products Regulations as subsequently changed.
Training advice:	A thorough knowledge of this safety data sheet should be a prerequisite condition.
Revision date:	2025-01-27
Replaces date:	2023-07-07
Classification method:	Calculation based on the hazards of the known components.
Country:	CA