

Safety Data Sheet

LGWM 1

SECTION 1: Identification

1.1. Product identifier

Trade name: LGWM 1

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
Email: 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)
Email: 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

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HPR classification: Skin Sensitizer - Category 1;H317
Reproductive Toxicity - Category 2;H361f

Most serious harmful effects: May cause an allergic skin reaction. Suspected of damaging fertility.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: Bismuth Naphthenate; Naphthenic Acid; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene;

Hazard Statements

H317 May cause an allergic skin reaction.
H361f Suspected of damaging fertility.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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
Bismuth Naphthenate	85736-59-0	2.5 - 5 %	
Naphthenic Acid	1338-24-5	< 1 %	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	< 0.25 %	

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

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

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

May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing. 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.

5.3. Special protective equipment and precautions for fire-fighters

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: Stay upwind/keep distance from source. Wear safety goggles if there is a risk of eye splash. Wear gloves. Wear suitable protective clothing.

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

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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. Do not expose to heat (e.g. sunlight). Store in a cool, dry place. 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/m ³	fiber/cm ³	Remarks	Notations
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), 2025. 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 if there is a risk of eye splash.

Personal protective equipment, hand protection:

Wear 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:

Not required.

In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
physical state	Paste
Color	Orange
Odour	Characteristic
Solubility	Insoluble in the following: Water.

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, in the case of solids and gases	No data	
upper and lower flammability limits	No data	
Explosion limits	No data	
Flash Point	> 150 °C	
Auto-ignition temperature	No data	
Decomposition temperature:	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	> 20.5 mm ² /s	(40 °C)
Viscosity	No data	
partition coefficient — n-octanol/water	No data	
Vapour pressure	No data	
Density	< 1000 kg/m ³	(25 °C)
Relative density	No data	
Relative 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

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.

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10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight).

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		5061.60 mg/kg		Calculated	

Naphthenic Acid, cas-no 1338-24-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		3000 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		> 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

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		3173.40 mg/kg		Calculated	

Naphthenic Acid, cas-no 1338-24-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 20000 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		> 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: The product does not have to be classified. Test data are not available.

Skin corrosion/irritation: May irritate the skin - may cause reddening. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation: May cause eye irritation. The product does not have to be classified. Test data are not available.

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Respiratory sensitization or skin sensitization:	May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing.
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

Naphthenic Acid, cas-no 1338-24-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Lepomis macrochirus		96hLC50	5.6 mg/l			

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
Fish	Danio rerio		96hLC50	> 100 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

Not expected to be biodegradable. Test data are not available.

12.3. Bioaccumulative potential

No bioaccumulation expected. Test data are not available.

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.

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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
Bismuth Naphthenate
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
2.1.0	2025-05-13	SRU	1,2,5,7,8,9,13,16

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

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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.
Issued:	2019-03-22
Revision date:	2025-05-13
Replaces date:	2023-06-07
Classification method:	Calculation based on the hazards of the known components.
Country:	CA