

Safety Data Sheet

LGWM 1

SECTION 1: Identification

1.1. Product identifier

Trade name: LGWM 1

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 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
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: Skin Sensitizer - Category 1;H317

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Most serious harmful effects: May cause an allergic skin reaction.

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: Bismuth Naphthenate; Naphthenic Acid;

Hazard Statements

H317 May cause an allergic skin reaction.

Precautionary statements

P280 Wear protective gloves.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes
Bismuth Naphthenate	85736-59-0 288-470-5 01-2120769500-56	2.5 - 5 %	
Naphthenic Acid	1338-24-5 215-662-8	< 1 %	

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

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developing.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide 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.

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 a chemical protection suit only where personal (close) contact is likely.

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.

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

Use the product under well-ventilated conditions. 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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not expose to heat (e.g. sunlight). Store in a dry, cool, well-ventilated area. Do not store with the following: Strong oxidizers.

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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), 2022. 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:

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.

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	Orange
Odour	Characteristic
Solubility	Insoluble in the following: Water.

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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	
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
VOC (Volatile organic compounds):	0 %	

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

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

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

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

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		5238.60 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			

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		3305 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			

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.

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

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.

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11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

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			

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.

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

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 as defined under Canadian Environmental Protection Act, 1999 (CEPA 1999). 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

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Country:

CA