

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

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.

Inadvisable uses: None.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: SKF UK Ltd
Address: 400 Capability Green
Zip code: LU1 3LU
City: Luton
Country: UNITED KINGDOM
Email: technical.helpdesk.uk@skf.com
Phone: +44 1582 490049
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: Skin Sens. 1;H317

Most serious harmful effects: May cause an allergic skin reaction. The product contains a substance which is a suspected reproductive hazard.

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

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

The product does not contain any PBT or vPvB substances.

Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | CAS No./ EC No./ UK-REACH Reg. No. | Concentration | Notes | CLP-classification |
|---|------------------------------------|---------------|-------|---|
| Bismuth Naphthenate | 85736-59-0 288-470-5 | 2.5 - 5 % | | Skin Sens. 1;H317 Eye Irrit. 2;H319 |
| Naphthenic Acid | 1338-24-5 215-662-8 | < 1 % | | Skin Irrit. 2;H315 Skin Sens. 1;H317 Eye Irrit. 2;H319 LD50 (Acute toxicity - oral): 3000 mg/kg bw LD50 (Acute toxicity - dermal): > 20000 mg/kg bw |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 68411-46-1 270-128-1 | < 0.25 % | | Repr. 2;H361f Aquatic Chronic 3;H412 LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw |

Please see section 16 for the full text of H- / EUH-phrases.

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.

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

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 sensitisation by skin contact. Symptoms include reddening, swelling, blistering and ulceration - often slowly developing. The product contains at least one substance which is a suspected reproductive hazard.

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.

5.3. Advice for firefighters

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.

For emergency responders: In addition to the above: Protective suit equivalent to EN 368, type 3, 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

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

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 oxidisers.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements.

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. Control of Lead at Work Regulations 2002. Control of Asbestos Regulations 2012.

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. Eye protection must conform to EN 16321.

Personal protective equipment, hand protection: Wear gloves. Type of material: Nitrile 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.

In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter. 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 | Orange |
| Odour | Characteristic |
| Solubility | Insoluble in the following: Water. |

| Parameter | Value/unit | Remarks |
|-----------|------------|---------|
|-----------|------------|---------|

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

| | | |
|--|---------------------------|---------|
| Odour threshold | No data | |
| Melting point | No data | |
| Freezing point | No data | |
| Boiling point or initial boiling point and boiling range | No data | |
| Flammability | No data | |
| Flammability limits | No data | |
| Lower and upper explosion limit | 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 (log value) | 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 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

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

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

LGWM 1

| 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

LGWM 1

| 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.

Respiratory sensitisation or skin sensitisation: May cause sensitisation 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 contains at least one substance which is a suspected reproductive hazard. 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.

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

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

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.

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 (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

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

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 08 99* wastes not otherwise specified

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

| | |
|--|---|
| <p>14.1. UN number or ID number: Not applicable.</p> <p>14.2. UN proper shipping name: Not applicable.</p> <p>14.3. Transport hazard class(es): Not applicable.</p> | <p>14.4. Packing group: Not applicable.</p> <p>14.5. Environmental hazards: Not applicable.</p> |
|--|---|

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: Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

Covered by:
The Health and Safety (Young Persons) Regulations 1997.

15.2. Chemical Safety Assessment

| UK-REACH Reg. No. | 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 |
|---------|---------------|-------------|---------|
| 2.5.0 | 05/08/2025 | SRU | 1,8,16 |

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

Safety Data Sheet

LGWM 1

Replaces date: 13/05/2025

Revision date: 05/08/2025

Version: 2.5.0

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.

Hazard statements

| | |
|-------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H361f | Suspected of damaging fertility. |
| H412 | Harmful to aquatic life with long lasting effects. |

Country: GB