

Safety data sheet

Revision: 11-03-2018
 Replaces: 18-05-2015
 Version: 02.01/GBR

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

1.1. Product identifier

Trade name: LGBB 2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Lubricant Lubricating grease

1.3. Details of the supplier of the safety data sheet

Supplier: SKF MAINTENANCE PRODUCTS
 Postbus 1008
 NL-3430 BA Nieuwegein
 The Netherlands
 Tel: +31 30 6307200
 Email: sebastien.david@skf.com
 WWW: www.skf.com

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification (Regulation (EC) No 1272/2008): Aquatic Chronic 3;H412

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

Most serious harmful effects: Harmful to aquatic life with long lasting effects.
 May cause slight irritation to the skin and eyes. Persons with a known allergy to benzene-1,2:4,5-tetracarboxylic dianhydride may exhibit an allergic response to the product.

2.2. Label elements

H-phrases: Harmful to aquatic life with long lasting effects.(H412)
 P-phrases: Avoid release to the environment.(P273)
 Dispose of contents/container in accordance with local regulation.(P501-A)
 Supplemental information: Contains benzene-1,2:4,5-tetracarboxylic dianhydride. May produce an allergic reaction.

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/ EC Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
1-2120119814-57	38900-29-7-A	Dilithium azelate	Acute Tox. 4;H302	1-5	.
.	254-184-4	.	.	.	.
.	67874-71-9-A	bismuth tris(2-ethylhexanoate)	Skin Irrit. 2;H315	1 - 5	.
.	267-499-7	.	.	.	.
.	12001-85-3-H	Naphthenic acids, zinc salts	Skin Irrit. 2;H315 Aquatic Acute 1;H400	1 - 2,5	.
.	.	.	Aquatic Chronic 1;H410	.	.

.	234-409-2	.	.	.	.
.	89-32-7-A	benzene-1,2:4,5-tetracarboxylic	Eye Dam. 1;H318 Resp. Sens. 1;H334	0,1 - 1	.
.	201-898-9	dianhydride	Skin Sens. 1;H317	.	.
01-211947380	124-30-1-B	octadecylamine	Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315	0,01 -	.
4-32	204-695-3	.	Eye Dam. 1;H318 Aquatic Acute 1;H400	0,25	.
.	.	.	Aquatic Chronic 1;H410	.	.
01-211947379	1213789-63-	C16-18-(even numbered, saturated	Acute Tox. 4;H302 Asp. Tox. 1;H304 Skin Corr.	0,01 -	.
7-19	9	and unsaturated)-alkylamines	1;H314 STOT SE 3;H335 STOT RE 2;H373	0,25	.
.	627-034-4	.	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	.	.
.
.
.

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

Other information: Any letters after the CAS number refer to individual data sets.

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 discomfort.
Skin:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eyes:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information:	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. The product contains small amounts of benzene-1,2:4,5-tetracarboxylic dianhydride. Persons with a known allergy may exhibit an allergic response to the product.

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, 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. Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

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

The product should be used under well-ventilated conditions and preferably under process ventilation. 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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Do not store with the following: Strong oxidisers/ Strong acids/ Strong alkalis.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Contains no substances subject to reporting 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. Eye protection must conform to EN 166.

Personal protective equipment, skin 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. Gloves must conform to EN 374.

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

State: Paste
Colour: Brown
Odour: Characteristic
Odour threshold: No data
pH (solution for use): No data
pH (concentrate): No data
Melting point/freezing point: No data
Initial boiling point and boiling range: No data
Flash point: No data
Evaporation rate: No data
Flammability (solid, gas): No data
Upper/lower flammability limits: No data
Upper/lower explosive limits: No data
Vapour pressure: No data
Vapour density: No data
Relative density: No data
Solubility: Insoluble in the following: Water.
Partition coefficient n-octanol/water: No data
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: No data
Explosive properties: No data
Oxidising properties: No data

9.2. Other information

NLGI: 2

SECTION 10: Stability and reactivity

10.1. Reactivity	Reacts with the following: Strong oxidisers/ Strong acids/ Strong alkalis.
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 heating and contact with ignition sources.
10.5. Incompatible materials	Strong oxidisers/ Strong acids/ Strong alkalis.
10.6. Hazardous decomposition products	Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	The product does not have to be classified. Test data are not available for all substances Ingestion of large quantities may cause discomfort. 124-30-1-B: Rat: LD50 = >2001 mg/kg 89-32-7-A: Rat: LD50 = =2250 mg/kg 1213789-63-9: Rat: LD50 = >300-2000 mg/kg
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available. 38900-29-7-A: Rat: LC50 = >2000 mg/kg (OECD 402)
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available for all substances 89-32-7-A: Rat, , 4h: LC50 = =150 mg/l
Skin corrosion/irritation:	The product does not have to be classified. Test data are not available. May cause slight irritation.
Serious eye damage/eye irritation:	The product does not have to be classified. Test data are not available. Temporary irritation.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available. The product contains small amounts of benzene-1,2:4,5-tetracarboxylic dianhydride. Persons with a known allergy may exhibit an allergic response to the product.
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.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

	Harmful to aquatic life with long lasting effects.
Acute toxicity:	124-30-1-B: Fish: Name of species not specified: 96hLC50 = >0,01-0,1 mg/l Crustacea: Daphnia sp.: 48hEC50 = >0,01-0,1 mg/l 89-32-7-A: Fish: Name of species not specified: 96hLC50 = >101 mg/l

Crustacea: Daphnia sp.: 24hEC50 = =48 mg/l

1213789-63-9:

Fish: Name of species not specified: 96hLC50 = >0,01-0,1 mg/l

Crustacea: Daphnia sp.: 48hEC50 = >0,01-0,1 mg/l

38900-29-7-A:

Fish: Name of species not specified: 96hLC50 = 100 mg/l

Crustacea: Name of species not specified: 48hEC50 = 100 mg/l

Chronic toxicity:

124-30-1-B: :

Name of species not specified: 72hEC50 = >0,01-0,1 mg/l

89-32-7-A: :

Name of species not specified: 72hEC50 = >0,01-0,1 mg/l

1213789-63-9: :

Name of species not specified: 72hEC50 = >0,01-0,1 mg/l 38900-29-7-A: Crustacea: Name of

species not specified: 72hEC50 = 100 mg/l : Name of species not specified: 72hEC50 =

>0,01-0,1 mg/l

12.2. Persistence and degradability

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

38900-29-7-A: Readily biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected. Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

Oil products may cause soil and water pollution. German water pollution classification (WGK):

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.

EWC code: Depends on line of business and use, for instance 12 01 12*spent waxes and fats

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.

Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

14.1. UN number

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14.2. UN proper shipping name

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14.3. Transport hazard class(es)

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14.4. Packing group

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14.5. Environmental hazards

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14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 2,3,,12,13,16

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Classification method: Calculation based on the hazards of the known components.

H-phrases: H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

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 1907/2006/EC (REACH) as subsequently changed.
