



## Safety data sheet

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### 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.

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

DPD-classification (Directive 1999/45/EC): ;R52/53

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

*Please see section 16 for the full text of R-phrases and 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.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Registration number	CAS/EC Number	Substance	DSD-classification (Directive 67/548/EEC)/CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	67874-71-9-A	bismuth tris(2-ethylhexanoate)	Xi;R38	1 - 5	.
.	267-499-7	.	Skin Irrit. 2;H315	.	.
.	12001-85-3-	Naphthenic acids, zinc salts	Xi;R38 N;R50/53	1 - 2,5	.
.	H	.	Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic	.	.
.	234-409-2	.	Chronic 1;H410	.	.
.	89-32-7-A	benzene-1,2:4,5-tetracarboxylic dianhydride	Xi;R41 R42/43	0,1 - 1	.
.	201-898-9	.	Eye Dam. 1;H318 Resp. Sens. 1;H334 Skin Sens. 1;H317	.	.
01-211947380	124-30-1-B	octadecylamine-	Xn;R48/22-65 Xi;R38-41 N;R50/53	0,01 -	.
4-32-xxxx	204-695-3	.	Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315	0,25	.
.	.	.	Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic	.	.
.	.	.	Chronic 1;H410	.	.
01-211947379	1213789-63-	C16-18-(even numbered, saturated and unsaturated)-alkylamines	Xn;R22-48/22 C;R34 N;R50/53 R65	0,01 -	.
7-19-xxxx	9	.	Acute Tox. 4;H302 Asp. Tox. 1;H304 Skin Corr.	0,25	.
.	627-034-4	.	1;H314 STOT SE 3;H335 STOT RE 2;H373 Aquatic	.	.
.	.	.	Acute 1;H400 Aquatic Chronic 1;H410	.	.
.	.	.	.	.	.
.	.	.	.	.	.

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

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### 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.

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### 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.

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### 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

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## 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.

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## 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.
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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

The product does not have to be classified. Test data are not available. The product contains small quantities of environmentally hazardous substances.

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

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

### 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

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):

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. Contact the local authorities.

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.

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#### SECTION 14: Transport information

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

- 14.1. UN number -  
14.2. UN proper shipping name -  
14.3. Transport hazard class(es) -  
14.4. Packing group -  
14.5. Environmental hazards -  
14.6. Special precautions for user -  
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code -

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#### 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.

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#### SECTION 16: Other information

Changes have been made in the following sections: 1 - 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.

R-phrases:

R22 Harmful if swallowed.  
R34 Causes burns.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R42/43 May cause sensitisation by inhalation and skin contact.  
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: May cause lung damage if swallowed.

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.

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