



Safety data sheet

Revision: 04-05-2015
Replaces: 16-02-2015
Version: 03.00/GBR

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

1.1. Product identifier

Trade name: LGHB 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

DPD-classification (Directive 1999/45/EC):

CLP-classification (Regulation (EC) No 1272/2008):

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

Most serious harmful effects:

May cause slight irritation to the skin and eyes.

2.2. Label elements

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

Supplemental information:

Safety data sheet available on request.
Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts,
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts,
Sulfonic acids, petroleum, calcium salts. 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	DSD-classification (Directive 67/548/EEC)/CLP-classification (Regulation (EC) No 1272/2008)	w/w%	Note
.	70024-69-0-B	Benzenesulfonic acid,	Xi; R43	1-10,5	.
.	274-263-7	mono-C16-24-alkyl derivs., calcium salts	Skin Sens. 1;H317	.	.
.	68584-23-6-A	Benzenesulfonic acid, C10-16-alkyl	Xi;R43	1-5	.
.	271-529-4	derivs., calcium salts	Skin Sens. 1;H317	.	.
.	61789-86-4-E	Sulfonic acids, petroleum, calcium	Xi;R43	1-5	.
.	263-093-9	salts	Skin Sens. 1;H317	.	.
.	68411-46-1-D	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	N;R52/53	1-5	.
.	270-128-1	.	Aquatic Chronic 3;H412; STOT RE 2; H373	.	.

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.

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.
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

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Do not store with the following: Strong oxidisers. Keep in tightly closed original packaging.

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.

DNEL values:

Contains no substances subject to reporting requirements.

70024-69-0-B:

Workers:

Inhalation DNEL (long-term exposure - systemic effects), 0,66 mg/m³,

Dermal DNEL (long-term exposure - systemic effects), 3,33 mg/kg bw/day,

General population:

Inhalation DNEL (long-term exposure - systemic effects), 0,33 mg/m³,

Dermal DNEL (long-term exposure - systemic effects), 1,667 mg/kg bw/day,

Oral DNEL (long-term exposure - systemic effects), 0,8333 mg/kg bw/day,

68584-23-6-A:

Workers:

Dermal DNEL (long-term exposure - systemic effects), 3,33 mg/kg bw/day,

Inhalation DNEL (long-term exposure - systemic effects), 0,66 mg/m³,

General population:

Dermal DNEL (long-term exposure - systemic effects), 1,667 mg/kg dw,

Inhalation DNEL (long-term exposure - systemic effects), 0,33 mg/m³,

Oral DNEL (long-term exposure - systemic effects), 0,8333 mg/kg bw/day,

68411-46-1-D:

Workers:

Dermal DNEL (long-term exposure - systemic effects), 0,62 mg/kg bw/day,

Inhalation DNEL (long-term exposure - systemic effects), 4,37 mg/m³,

General population:

Dermal DNEL (long-term exposure - systemic effects), 0,31 mg/kg bw/day,

Inhalation DNEL (long-term exposure - systemic effects), 1,09 mg/m³,

Oral DNEL (long-term exposure - systemic effects), 0,31 mg/kg bw/day,

PNEC values:

70024-69-0-B:

PNEC aqua (freshwater) 1 mg/l,

PNEC aqua (marine water) 1 mg/l,

PNEC aqua (intermittent releases) 10 mg/l,

PNEC sediment (freshwater) 723500000 mg/kg dw,

PNEC sediment (marine water) 723500000 mg/kg dw, Assessment factor: , Extrapolation

method: . PNEC STP (wastewater-treatment facilities) 100 mg/l, Assessment factor: ,

Extrapolation method: . PNEC oral (foodstuffs) 16,667 mg/kg,

61789-86-4-E:

PNEC aqua (freshwater) 1 mg/l,

PNEC aqua (marine water) 1 mg/l,

PNEC aqua (intermittent releases) 10 mg/l,
PNEC sediment (freshwater) 226000000 mg/kg dw,
PNEC sediment (marine water) 226000000 mg/kg dw,
PNEC soil 271000000 mg/kg dw,
PNEC STP (wastewater-treatment facilities) 1000 mg/l,
PNEC oral (foodstuffs) 16,667 mg/kg,

68584-23-6-A:

PNEC aqua (freshwater) 1 mg/l,
PNEC aqua (marine water) 1 mg/l,
PNEC aqua (intermittent releases) 10 mg/l,
PNEC sediment (freshwater) 723500000 mg/kg dw,
PNEC sediment (marine water) 723500000 mg/kg dw,
PNEC STP (wastewater-treatment facilities) 100 mg/l,
PNEC soil 868700000 mg/kg dw,
PNEC oral (foodstuffs) 16,667 mg/kg,

68411-46-1-D:

PNEC aqua (freshwater) 0,051 mg/l,
PNEC aqua (marine water) 0,0051 mg/l,
PNEC aqua (intermittent releases) 0,51 mg/l,
PNEC sediment (freshwater) 9320 mg/kg dw,
PNEC sediment (marine water) 932 mg/kg dw,
PNEC soil 1860 mg/kg dw,
PNEC STP (wastewater-treatment facilities) 1 mg/l,

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 /Fat.
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:	~0.9 (20 °C)
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: Non-explosive
Oxidising properties: Not applicable.

9.2. Other information

None.

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

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

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: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Ingestion may cause discomfort.

70024-69-0-B: Rat: LD50 >5000 mg/kg (OECD 401)
61789-86-4-E: Rat: LD50 >16000 mg/kg bw/day
68584-23-6-A: Rat: LD50 >5000 mg/kg (OECD 401)
68411-46-1-D: Rat: LD50 >5000 mg/kg (OECD 401)

Acute toxicity - dermal: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

70024-69-0-B: Rabbit: LD50 >2000 mg/kg (OECD 402)
61789-86-4-E: Rabbit: LD50 >4000 mg/kg
68584-23-6-A: Rabbit: LD50 >5000 mg/kg (OECD 402)
68411-46-1-D: Rat: LD50 >2000 mg/kg (OECD 402)

Acute toxicity - inhalation: The product does not have to be classified. Test data are not available for all substances

61789-86-4-E: Rat, Mist, 4h: >1,9 mg/l
68584-23-6-A: Rat, Mist, : LC50 >1,9 mg/l (OECD 403)

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: According to tests, the product need not be classified.

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

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

Acute toxicity:

61789-86-4-E:

Fish: Cyprinodon variegatus: 96hLC50 >10000 mg/l

Crustacea: Daphnia magna: 48hEC50 >1000 mg/l

Algae: Pseudokirchneriella subcapitata: 72hEC50 >1000 mg/l

68584-23-6-A:

Fish: Cyprinodon variegatus: 96hLL50 >10000 mg/l

Crustacea: Daphnia magna: 48hEL50 >1000 mg/l

Algae: Pseudokirchneriella subcapitata: 72hEL50 >1000 mg/l

68411-46-1-D:

Fish: Danio rerio: 96hLC50 >100 mg/l (OECD 203)

Crustacea: Daphnia magna: 48hEC50 = 51 mg/l (OECD 202)

Algae: Desmodesmus subspicatus: 72hEC50 >100 mg/l (OECD 201)

70024-69-0:

Fish: 96hLL50 (Cyprinodon variegatus) > 10000 mg/l (OECD 203)

Daphnia: 48hEC50 (Daphnia magna) > 1000 mg/l

Algae: 72hEC50 (Pseudokirchneriella subcapitata) > 1000 mg/l

12.2. Persistence and degradability

Test data are not available.

12.3. Bioaccumulative potential

68411-46-1: LogPow = 6,1

The product contains at least one substance that is bioaccumulative in organisms.

12.4. Mobility in soil

Not expected to be mobile in soil.

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): 1

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 16 05 09discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

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 -
- 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

-

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: 1-3, 11-12

Abbreviation explanations: DNEL: Derived No Effect Level
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No Effect Concentration
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

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

R-phrases: R43 May cause sensitisation by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H-phrases: H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
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.
