



Safety data sheet

Revision: 22-02-2018
Replaces: 12-05-2015
Version: 04.01/GBR

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

1.1. Product identifier

Trade name: LESA 2

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

Recommended uses: 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):

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. Degreases the skin. Long-term exposure may cause irritation and possible infection.

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.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

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
.	68037-01-4-	Dec-1-ene	Asp. Tox. 1; H304	.	.
.	C	+	.	70 - <90	4)
.	1000172-11-	7-methylpentadecane; tetra-1-decen,	Asp. Tox 1;H304	.	.
.	1	dimer, trimer, hydrogenated	.	.	.
.	700-184-9

4) H304 is not applicable due to the high viscosity of the product.

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. Degreases the skin. Long-term exposure may cause irritation and possible infection.

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. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases/ Sulphur oxides.

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. In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter.

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. Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area.

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.
DNEL values:	59656-20-1-A: Workers: Inhalation DNEL (long-term exposure - systemic effects), 4408 mg/m ³ , Dermal DNEL (long-term exposure - systemic effects), 6,25 mg/kg bw/day,
PNEC values:	59656-20-1-A: PNEC aqua (freshwater) 0,041 mg/l, PNEC aqua (marine water) 0,0041 mg/l, PNEC aqua (intermittent releases) 0,41 mg/l, PNEC STP (wastewater-treatment facilities) 8000 mg/l, PNEC sediment (freshwater) 380,62 mg/kg, PNEC sediment (marine water) 38,06 mg/kg, PNEC soil 308,98 mg/kg, PNEC oral (foodstuffs) 6,67 mg/kg,

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:	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

State:	Paste
Colour:	Beige
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:	< 0.001 hPa, 20 °C
Vapour density:	No data
Relative density:	0,86 (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: No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

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

None known.

10.5. Incompatible materials

None known.

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/ Nitrous gases/ Sulphur oxides.

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 of large quantities may cause discomfort.

68037-01-4-C:

Rat: LD50 = >5000 mg/kg

59656-20-1-A:

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.

68037-01-4-C:

Rat: LD50 = >2000 mg/kg (OECD 402)

59656-20-1-A:

Rat: LD50 = >2000 mg/kg (OECD 402)

Acute toxicity - inhalation:

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

59656-20-1-A:

Rat, Vapour, 4h: LC50 = >2,75 mg/l (OECD 403)

Skin corrosion/irritation:

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Degreases the skin. Long-term exposure may cause irritation and possible infection.

68037-01-4-C:

Rabbit, , : Non-irritating (OECD 404)

59656-20-1-A:

Rabbit, , : Non-irritating (OECD 404)

Serious eye damage/eye irritation:

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Temporary irritation.

68037-01-4-C:

Rabbit, , : Non-irritating: (OECD 405)

59656-20-1-A:

Rabbit, , : Non-irritating: (OECD 405)

Respiratory sensitisation or skin

The product does not have to be classified. Based on existing data, the classification criteria

sensitisation:	are deemed not to have been met. 68037-01-4-C: Guinea pig, , : Non-sensitising (OECD 406) 59656-20-1-A: Guinea pig, , : Non-sensitising (OECD 406)
Germ cell mutagenicity:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. 68037-01-4-C: Bacteria, Negative, : (Ames test)
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. Inhalation of spray mist may cause irritation to the upper airways.
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:	On warming/heating, the vapours emitted may cause irritation to the respiratory organs. May cause coughing and breathing difficulties.

SECTION 12: Ecological information

12.1. Toxicity

	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. The product contains small quantities of environmentally hazardous substances.
Acute toxicity:	68037-01-4-C: Fish: Oncorhynchus mykiss: 96hLC50 = >1000 mg/l Crustacea: Daphnia magna: 48hEC50 = >1000 mg/l Algae: Selenastrum capricornutum: = >1000 mg/l 59656-20-1-A: Fish: Pimephales promelas: 96hLC50 = >1000 mg/l Crustacea: Daphnia magna: 48hEC50 = 41 mg/l Algae: Pseudokirchneriella subcapitata: 72hEC50 = >100 mg/l
Chronic toxicity:	68037-01-4-C: Crustacea: Daphnia magna: 21dNOEC = 125 mg/l

12.2. Persistence and degradability

The product has been tested. The product contains at least one substance that is not biodegradable.

68037-01-4-C:
Not readily biodegradable.

59656-20-1-A:
Not readily biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

68037-01-4-C:
BCF: >10

59656-20-1-A:
BCF:3,16

12.4. Mobility 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. 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.

EWC code: Depends on line of business and use, for instance 13 02 08* other engine, gear and lubricating oils

Absorbent/cloth contaminated with the product:
EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

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

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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.

SECTION 16: Other information

Changes have been made in the following sections: 1, 2, 3, 6, 7, 8, 9, 11, 12, 13

Abbreviation explanations:

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

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

H-phrases: H304 May be fatal if swallowed and enters airways.
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.
