

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.01.2023

Version number 15 (replaces version 14)

Revision: 19.01.2023

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

· **1.1 Product identifier**

· **Trade name:** *KAJO-Langzeitfett LZR 2*

· **Article number:** 61320000

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

No further relevant information available.

· **Application of the substance / the mixture** Lubricant for Industrial use

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

KAJO GmbH

Boschstr. 13  
59609 Anröchte  
Germany

· **Further information obtainable from:**

Department of Environmental Health and Safety:

sds@kajo.de

· **1.4 Emergency telephone number:**

During normal opening times: 0049 - 2947 - 881 - 0

Business hours: Monday -Friday: 8.00 h to 16.00 h

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:**

Mixture of substances that are not subject to labeling according to CLP and / or substances subject to labeling with a content below the limit of consideration according to CLP

· **Dangerous components:** Void

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

In case of persistent symptoms consult doctor.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.**4.2 Most important symptoms and effects, both acute and delayed**

Gastric or intestinal disorders

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

carbon dioxide

sulfur oxides

Smoke

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**5.3 Advice for firefighters**

Cool endangered containers with water spray from a safe distance.

Do not inhale explosion and combustion gases.

· **Protective equipment:** Wear self-contained respiratory protective device.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the material collected according to regulations.

Clean the affected area carefully; suitable cleaners are:

Warm water and cleansing agent

**6.4 Reference to other sections**

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

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- **Information about fire - and explosion protection:** Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 11
- **7.3 Specific end use(s)** See product information sheet !

## \* SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Where protection is desired:  
Respirator with combination filter for vapor and particulate (EN 141).  
Respirators and components must be tested and approved under appropriate government standards such as NIOSH. (U.S.) or CEN (EU).
- **Hand protection**



Recommendation: Chemical resistant protective gloves (EN 374)

- **Material of gloves**  
Nitrile rubber, NBR  
Chloroprene rubber, CR  
Recommended thickness of the material:  $\geq 0.4$  mm  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
Value for the permeation: Level 6 = >480  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.  
Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers, or is derived by analogy with similar substances. It should be noted, that the practical usage of a chemical-protective glove can in practice due to many influencing factors (eg temperature) may be considerably shorter than the permeation time determined through testing. Due to the large variety the instructions of the manufacturer must be observed.
- **Eye/face protection**



Use safety glasses according to EN 166 : 2001.

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- **Body protection:**
- Impervious protective clothing
- Non-slip shoes recommended

**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**

- |   |                 |
|---|-----------------|
| · <b>Physical state</b>   | Solid           |
| · <b>Colour:</b>  | Blue            |
| · <b>Odour:</b>   | Characteristic  |
| · <b>Odour threshold:</b>   | Not determined. |
| · <b>Melting point/freezing point:</b>                            | Undetermined.   |
| · <b>Boiling point or initial boiling point and boiling range</b> | Undetermined.   |
| · <b>Flammability</b>   | Not determined. |
| · <b>Lower and upper explosion limit</b>                          |                 |
| · <b>Lower:</b>   | Not determined. |
| · <b>Upper:</b>   | Not determined. |
| · <b>Flash point:</b>   | Not applicable. |
| · <b>Ignition temperature:</b>                                    | >350 °C         |
| · <b>Decomposition temperature:</b>                               | Not determined. |
| · <b>pH</b>   | Not applicable. |
| · <b>Viscosity:</b>   |                 |
| · <b>Kinematic viscosity</b>                                      | Not applicable. |
| · <b>Dynamic:</b>   | Not applicable. |
| · <b>Solubility</b>   |                 |
| · <b>water:</b>   | Insoluble.      |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined. |
| · <b>Vapour pressure:</b>   | Not applicable. |
| · <b>Density and/or relative density</b>                          |                 |
| · <b>Density:</b>   | Not determined. |
| · <b>Relative density</b>   | Not determined. |
| · <b>Vapour density</b>   | Not applicable. |
| · <b>Particle characteristics</b>                                 | See item 3.     |

· **9.2 Other information**

- |  |   |
|--|---|
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Pasty   |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Auto-ignition temperature:</b>  | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>   | Product does not present an explosion hazard. |
| · <b>Change in condition</b>   |   |
| · <b>Drip point:</b>   | >180 °C                                       |
| · <b>Evaporation rate</b>  | Not applicable.                               |

· **Information with regard to physical hazard classes**

- |  |      |
|--|------|
| · <b>Explosives</b>                            | Void |
| · <b>Flammable gases</b>                       | Void |
| · <b>Aerosols</b>                              | Void |
| · <b>Oxidising gases</b>                       | Void |
| · <b>Gases under pressure</b>                  | Void |
| · <b>Flammable liquids</b>                     | Void |
| · <b>Flammable solids</b>                      | Void |
| · <b>Self-reactive substances and mixtures</b> | Void |

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· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**  
Avoid open flames.  
No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**\* SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

**\* SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**· **Additional ecological information:**· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**\* SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste disposal key:**

The waste disposal keys mentioned show recommendations based on the intended use of this product. Due to the special use and disposal conditions of the user, other waste codes can also be assigned. (2014/955/EU)

· **European waste catalogue**

07 06 99 wastes not otherwise specified

12 01 12\* spent waxes and fats

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**· **14.1 UN number or ID number**· **ADR, ADN, IMDG, IATA** Void· **14.2 UN proper shipping name**· **ADR, ADN, IMDG, IATA** Void· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class** Void· **14.4 Packing group**· **ADR, IMDG, IATA** Void· **14.5 Environmental hazards:**· **Marine pollutant:** No· **14.6 Special precautions for user** Not applicable.· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **UN "Model Regulation":**

Void

**\* SECTION 15: Regulatory information**· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Labelling according to Regulation (EC) No 1272/2008** Void· **Hazard pictograms** Void· **Signal word** Void· **Hazard statements** Void

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· <b>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</b>
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None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

· <b>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</b>
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None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Department of product safety
- **Contact:** Dr. John, Mail: sds@kajo.de
- **Version number of previous version:** 14
- **Abbreviations and acronyms:**  
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

- **Sources**

Regulations:

REACH Regulation (EC) No 1907/2006 as last amended by Regulation (EU) No 2020/878

Regulation (EC) No 1272/2008, as last amended by Regulation (EC) No 2017/776

Internet:

<http://www.baua.de><http://www.arbeitssicherheit.de><http://www.dguv.de/ifa/de/gestis/stoffdb><http://logkow.cisti.nrc.ca><https://echa.europa.eu>

Ordinance on facilities for the handling of water-endangering substances of 21.04.2017 (WGK classification)

REGULATION (EU) 2015/830 of May, 28th 2015

- \* **Data compared to the previous version altered.**