



Safety Data Sheet

Lithium Calcium EP 2

Version 1.01

Revision Date 11.04.2023

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

Product identifier

Trade name

Lithium Calcium EP 2

Synonyms

Lithium Grease

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

Use

Lubricant or lubricant additive

Manufacturer or supplier's details

Company

Sasol Oil Pty (Ltd)

Address

Sasol Place, 50 Katherine Street
Sandton
2090
South Africa
+27860335444

Telephone

E-mail address

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Emergency telephone number

+44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

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+65 3158 1074 (Asia Pacific)

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+27 (0)17 610 4444 (South Africa)

+61 (2) 8014 4558 (Australia)

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SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification This substance is not classified as hazardous according to GHS.

Label elements

Pictogram

Signal word Not applicable

Hazard statements This substance is not classified as hazardous according to GHS.

Precautionary statements

Prevention This substance is not classified as hazardous according to GHS.

Response This substance is not classified as hazardous according to GHS.

Storage This substance is not classified as hazardous according to GHS.

Disposal P501: Dispose in compliance with local and national regulations.

Other hazards No data available

SECTION 3. Composition/information on ingredients

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Mixture

Highly refined mineral oils and additives

Contents: 100.00 %W/W

CAS-No.

Index-No.

EC-No.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If breathing is difficult, give oxygen. Get medical attention/advice if you feel unwell.
Skin contact	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
Eye contact	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Most important symptoms/effects, acute and delayed

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Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Water spray, Foam, CO2, Dry powder.
Special hazards arising from the substance or mixture	Under conditions of continuous exposure to heat, may burn. Under extreme conditions (e.g. confinement) could lead to detonation. Nitrogen oxides (NOx) and carbon oxides are produced during combustion.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Disposal and clean up may only be done by authorised personnel.
Reference to other sections	Refer to Section 8 and 13

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SECTION 7. Handling and storage

Safe handling advice	Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from flames and sparks.
Advice on protection against fire and explosion	No data available
Requirements for storage areas and containers	Keep away from heat. Do not store near combustible materials.
Advice on common storage	No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Gloves suitable for permanent contact:
Material: butyl-rubber
Break through time: 4 h

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Material thickness: 0.5 mm

Eye protection	Safety goggles
Skin and body protection	lightweight protective clothing
Hygiene measures	Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	pasty
State of matter	Liquid; at 20 ° C; 1,013 hPa
Colour	Off-white
Odour	Hydrocarbon-like
Odour Threshold	No data available
pH	No data available
Drop point	175 ° C
Flash point	230 ° C; ASTM D92
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available

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Upper explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	0.98 g/cm ³ ; ASTM D4052
Water solubility	Insoluble, Immiscible
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	No data available

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Combustible material.
Hazardous decomposition products	No data available

SECTION 11. Toxicological information

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Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Carcinogenicity	Mineral oils are severely solvent refined or hydrotreated.
Further Information	No data available

SECTION 12. Ecological information

Toxicity to fish	No data available
Toxicity to algae	No data available
Biodegradability	No data available
Other adverse effects	No data available

SECTION 13. Disposal considerations

Product	Dispose of as special waste in compliance to local, national and international regulations.
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SECTION 14. Transport information

Further Information	Not classified as dangerous in the meaning of transport regulations.
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SECTION 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

Canadian Domestic Substances List (DSL)	Components Not listed Highly refined mineral oils and additives
Australian Inv. of Chem. Substances (AICS)	Components Not listed Highly refined mineral oils and additives
New Zealand Inventory of Chemicals (NZIoC)	Components Not listed Highly refined mineral oils and additives
Jap. Inv. of Exist. & New Chemicals (ENCS)	Components Not listed Highly refined mineral oils and additives
Japan. Industrial Safety & Health Law (ISHL)	Components Not listed Highly refined mineral oils and additives
Korea. Existing Chemicals Inventory (KECI)	Components Not listed Highly refined mineral oils and additives
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Components Not listed Highly refined mineral oils and additives
China Inv. Existing Chemical Substances (IECSC)	Components Not listed Highly refined mineral oils and additives
Taiwan. Chemical Substances Inventory (TCSI)	Components Not listed Highly refined mineral oils and additives
USA TSCA Inventory	Components Not listed Highly refined mineral oils and additives

SECTION 16. Other information



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Full text of H-Statements.

This substance contains no components with H-statement.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

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