



Safety Data Sheet

Lithium Complex WB EP 2

Version 1.01

Revision Date 18.04.2023

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

Product identifier

Trade name

Lithium Complex WB EP 2

Synonyms

Lithium Complex 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

sasolchem.info.sa@sasol.com

Emergency telephone number

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+44(0)1235 239 671 (Middle East, Arabic African countries)

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+86 10 5100 3039 (China)

+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

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

Label elements

Pictogram Not applicable

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 of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards No data available

SECTION 3. Composition/information on ingredients

Mixture

Highly refined mineral oils and additives

Contents: 100.00 %W/W

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CAS-No.

Index-No.

EC-No.

n-Phenyl benzenamine

Contents: <= 0.25 %W/W

CAS-No. 68411-46-1

Index-No.

EC-No. 270-128-1

Hazard statements *H412*

Triphenyl phosphate

Contents: <= 0.10 %W/W

CAS-No. 115-86-6

Index-No.

EC-No. 204-112-2

Hazard statements *H400 H411*

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

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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

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 (NO_x) 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

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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

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

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

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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 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	Semi-solid; at 20 ° C; 1,013 hPa
Colour	Beige Amber
Odour	Hydrocarbon-like
Odour Threshold	No data available
pH	No data available

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Drop point	180 ° C
Flash point	> 230 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	0.98 g/cm ³ ; 20 ° C
Water solubility	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	Incompatible with strong acids and oxidizing agents.
Conditions to avoid	No data available

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Materials to avoid	Combustible material.
Hazardous decomposition products	No data available

SECTION 11. Toxicological information

Acute oral toxicity	n-Phenyl benzenamine: LD50 Rat: 5,000 mg/kg;
Acute oral toxicity	Triphenyl phosphate: LD50 Rat: 20,000 mg/kg;
Acute inhalation toxicity	n-Phenyl benzenamine: No data available
Acute dermal toxicity	n-Phenyl benzenamine: LD50 Rat: 2,000 mg/kg;
Acute dermal toxicity	Triphenyl phosphate: LD50 Rabbit: 10,000 mg/kg;
Repeated dose toxicity	n-Phenyl benzenamine: Oral Rat;
Repeated dose toxicity	Triphenyl phosphate: Oral Rat; NOAEL Early embryonic development 105 - 117 mg/kg
Repeated dose toxicity	Triphenyl phosphate: Dermal Rabbit; NOAEL Early embryonic development 1,000 mg/kg
Carcinogenicity	Mineral oils are severely solvent refined or hydrotreated.

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SECTION 12. Ecological information

Toxicity to fish	n-Phenyl benzenamine: LC50; 100 mg/l;
Toxicity to daphnia and other aquatic invertebrates	n-Phenyl benzenamine: 48 h; EC50; 51 mg/l
Toxicity to daphnia and other aquatic invertebrates	n-Phenyl benzenamine: 24 h; EC50; 100 mg/l
Toxicity to daphnia and other aquatic invertebrates	n-Phenyl benzenamine: 24 h; EC0; 22 mg/l
Toxicity to daphnia and other aquatic invertebrates	n-Phenyl benzenamine: 48 h; EC100; 100 mg/l
Toxicity to bacteria	n-Phenyl benzenamine: Anabaena flos-aquae (cyanobacterium); 72 h; EC50; 100 mg/l
Toxicity to bacteria	n-Phenyl benzenamine: 3 h; IC50; 100 mg/l
Chronic toxicity in aquatic invertebrates	n-Phenyl benzenamine: ; 21 dEL10; 1.69 mg/l

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

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Further Information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

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 Triphenyl phosphate
New Zealand Inventory of Chemicals (NZIoC)	Components Not listed Highly refined mineral oils and additives Triphenyl phosphate
Jap. Inv. of Exist. & New Chemicals (ENCS)	Components Not listed Highly refined mineral oils and additives n-Phenyl benzenamine Triphenyl phosphate
Japan. Industrial Safety & Health Law (ISHL)	Components Not listed Highly refined mineral oils and additives n-Phenyl benzenamine Triphenyl phosphate
Korea. Existing Chemicals Inventory (KECI)	Components Not listed Highly refined mineral oils and additives Triphenyl phosphate

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Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Components Not listed

Highly refined mineral oils and additives
Triphenyl phosphate

China Inv. Existing Chemical Substances (IECSC)

Components Not listed

Highly refined mineral oils and additives
n-Phenyl benzenamine
Triphenyl phosphate

Taiwan. Chemical Substances Inventory (TCSI)

Components Not listed

Highly refined mineral oils and additives
n-Phenyl benzenamine
Triphenyl phosphate

USA TSCA Inventory

Components Not listed

Highly refined mineral oils and additives

SECTION 16. Other information

Full text of H-Statements

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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.

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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.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.