



**Product Name: LITHIUM SYNTHETIC GREASE**

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: LITHIUM SYNTHETIC GREASE

Company Identification: REXOL FZC

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: LITHIUM SYNTHETIC GREASE

The product is not considered to be hazardous and does not contain hazardous components at or above regulated limits.

Composition (preparation): Highly refined mineral base oils (POLYCYCLIC AROMATICS-content < 3% -IP 346), Soap thickener and performance additives.

## 3. HAZARDS IDENTIFICATION

Main hazards: Not classified

Adverse human health effects: Not classified

Environmental hazards: Not classified

## 4. FIRST & MEASURES

General Information: Remove contaminated clothing immediately, to be disposed of or washed before reuse.

**Inhalation:** If inhaled, provide fresh air, warmth, rest, and medical advice if necessary.

**Skin Contact:** Clean areas of skin affected with soap and copious water. If necessary, seek medical advice.

**Eye Contact:** In case of contact with the eyes, rinse immediately with plenty of water until irritation subsides.

**Ingestion:** If the exposed person feels nauseating or vomiting seek medical help immediately.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media: To suit local surroundings (e.g., water spray, carbon dioxide foam, chemical powder).

Special Exposure: Hazard Decomposition products released in a fire should be considered as probably harmful if inhaled (refer to the Stability and Reactivity section).

Protective Equipment: Wear self-contained breathing apparatus

## 6. ACCIDENTAL RELEASES MEASURES

Methods for Cleaning Up: Take up with absorbent material, e.g., sawdust, and dispose of as prescribed.

Do not allow it to mix with water or discharge in drainage or stream.

## 7. HANDLING & STORAGE

Advice on Safe Handling: Wear PPE as per company policy and practice good hygiene and safety practice.

Avoid temperatures > 70°C

Advice on protection against fire & explosion: N/A



Storage Conditions: Ensure adequate ventilation of the storage area. Keep the container tightly closed, cool, and dry.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Controls:** Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) Controls. LTEL (8-hour TWA): 5 mg/m<sup>3</sup> (EH40, 1998) STEL (15 min): 10 mg/m<sup>3</sup> (EH40, 1998) OES data for oil mist, mineral. In addition, the Reciprocal Calculation Procedure (RCP) for hydrocarbons should be considered (EH40, 1998)

**Engineering Controls:** Ensure adequate ventilation of the working area e.g., Local Exhaust Ventilation.

**Personal Protection:** Observe normal safety standards for handling chemicals. Avoid inhalation of vapor. Avoid contact with skin and eyes. Wear personal protective equipment appropriate for the task e.g., gloves, safety goggles, respirators (e.g., if ventilation is inadequate), and appropriate overalls.  
ISO9001:2015

**9. PHYSICAL & CHEMICAL PROPERTIES**

PARAMETERS	TEST METHOD	Value
NLGI Grade	-	2
Thickener Type	-	Lithium
Texture	Visual	Smooth
Color	Visual	Beige
Work penetration @25°C,	ASTM D217	265-295
Copper Strip Corrosion for 24hrs @100 °C	ASTM D4048	0-1.
Dropping Point °C	ASTM D566	>180
Base Oil Viscosity @ 40 °C (cSt)	ASTM D445	18
Water Washout resistance %WT @79°C	ASTM D1264	max 1
Four ball Weld Load, N	ASTM D2596	min 2000
Oil separation %, 30hrs @100°C,	ASTM D6184	<4

**10. STABILITY & REACTIVITY**

Stability: N/A

Thermal Decomposition: Not determined

Conditions to avoid: N/A

Material to avoid: N/A

Hazardous Reactions: The product does not undergo hazardous polymerization.

Hazardous Decomposition Products: Oxides of carbon, aldehydes, ketones, and of hydrogen sulfide plus combustion products of nitrogen and sulfur.

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity: No acute toxicological data are available.

LD 50 rat (oral): N/A

LD 50 rat (i.v.): N/A





Dermal Compatibility: N/A  
Mucous Membrane Compatibility: N/A

**12. ECOLOGICAL INFORMATION**

Eco toxicology: Ecotoxicological data are not available.  
Further Ecological Information: N/A  
Further Information: The product must not enter the ground or wastewater. If this occurs, inform the local authority at once. Calcium content: approx. 0.229% by mass (atomic absorption)

**13. DISPOSAL CONSIDERATIONS**

Advice on Disposal: In accordance with national and local authority regulations, e.g., special waste or incineration after consultation with the operators.

**14. TRANSPORT INFORMATION**

Transportation Measures: Not determined

**15. REGULATORY INFORMATION**

Classification & Labeling: The product is not classified in accordance with the Chemical (Hazard Information and Packaging for Supply Regulations (CHIP 97)).  
Risk Phrases: N/A  
Safety Phrases: N/A

**16. OTHER INFORMATION**

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