

SAFETY DATA SHEET

According to REACH Regulation, (EC) No. 1907/2006 (REACH) amended by Regulation (EU) 2020/878
Issue date: 16.05.23 Revision date: N/A Supersedes version of: N/A Version: 1

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

1.1) Product identifier

Product form: Mixture
Trade name: Lithium Complex Grease
Product Code: 3805, 3806

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

1.2.1) Relevant identified uses:

Main use: Industrial
Industrial/Professional Use spec: For professional use only
Function or use category: Industrial Lubricant

1.2.2) Uses advised against

No additional information available

1.3) Details of the supplier of the safety Data Sheet

Manufacturer/Supplier: Granville Oil & Chemical Ltd.
29 Goldthorpe Ind. Est.
Goldthorpe
Rotherham
S63 9BL
TEL +44 (0)1709 890099
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Email lab@granvilleoil.com

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TEL +44 (0)1709 890099

SECTION 2: Hazards Identification

2.1) Classification of the substance or mixture

Classification (EC 1272/2008)

Not classified

Adverse physicochemical, human health and environmental effects

Not classified.

2.2) Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable.

2.3) Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59 (1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%.

SECTION 3: Composition / Information on Ingredients

3.1) **Substances:** N/A

3.2) **Mixtures:** This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

SECTION 4: First Aid Measures

4.1) Description of first aid measures

Skin contact: Wash with soap and water

Eye contact: Wash out all residual material with water. Bathe eye with running water for several minutes. If irritation continues seek medical advice.

Inhalation: Unlikely due to low volatility of product. If inhaled move to fresh air and seek medical advice.

Ingestion: Wash mouth with water. Do not induce vomiting, seek medical advice.

4.2) Most important symptoms and effects both acute and delayed

Symptoms/effects after skin contact: Repeated or prolonged skin contact may cause dermatitis and defatting

Symptoms/effects after eye contact: Redness

Symptoms/effects after ingestion: Harmful if swallowed

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

Treat symptomatically.

SECTION 5: Fire Fighting Measures

5.1) **Extinguishing media:** Extinguish with dry powder, foam, sand, Carbon dioxide. Water spray.

UNSUITABLE Extinguishing media: Water jet.

Protective equipment: Self contained breathing apparatus

SECTION 6: Accidental Release Measures

6.1) Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. May cause slippery conditions underfoot.
Do not get in eyes, on skin or on clothing.

6.1.1) For non-emergency personnel

Protective equipment: Wear suitable protective clothing.

Emergency procedures: Keep public away from danger area. Do not breathe fumes from fires
Or vapours from decomposition.

6.1.2) For emergency responders

Protective equipment: Equip clean up crew with proper protection.

6.2) **Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if

product enters sewers or public waters.

6.3) Methods and material for containment and cleaning up

Methods for cleaning up: Collect spillage. Dispose of at a licensed waste collection centre.

6.4) Reference to other sections

No additional information.

Spillage: Apply suitable absorption media, scrape up in bulk then wipe remainder with cloth.

SECTION 7: Handling & Storage

7.1) Precautions for safe handling

Precautions for safe handling: Provide good ventilation in process area to prevent formation of Vapour. Use PPE as required. No open flames. No smoking. Avoid Contact with skin, eyes and clothing. Do not breathe fumes from fires Or vapours from decomposition.

Hygiene measures: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product.

7.2) Conditions for safe storage, including incompatibilities

Storage conditions: Store in a dry place. Store in original container. Keep away from heat, hot Surfaces, sparks, open flames and other ignition sources. No smoking. Store In a dry place.

Storage temperature: 5-30 °C

Incompatible products: strong bases. Strong acids.

7.3) Specific end use(s)

No additional information available.

SECTION 8: Exposure Control / Personal Protection

8.1) Control parameters

8.1.1) National occupational exposure and biological limit values

No additional information available

8.1.2) Recommended monitoring procedures

No additional information available

8.1.3) Air contaminants formed

No additional information available

8.1.4) DNEL and PNEC

No additional information available

8.1.5) Control banding

No additional information available

8.2) Exposure controls

8.2.1) Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2) Personal protection equipment



8.2.2.1) Eye and face protection

Eye protection: Use splash goggles when eye contact due to splashing is possible

8.2.2.2) Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: In case of repeated or prolonged contact wear gloves. Nitrile-rubber protective gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

8.2.2.3) Respiratory protection

Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

8.2.2.4) Thermal hazards

No additional information available

8.2.3) Environmental exposure controls

Environmental exposure controls: No data available.

Consumer exposure controls: No data available.

SECTION 9: Physical and Chemical Properties

9.1) Information on basic physical and chemical properties

Physical state:	Solid - Grease – free from visible impurities
Colour:	Red
Odour:	Slight
Odour threshold:	N/A
pH:	N/A
Relative evaporation rate (butylacetate=1):	N/A
Melting point:	>200 °C
Freezing point:	N/A
Boiling point:	> 300 °C
Flash point:	In excess of 200°C
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Flammability:	N/A
Vapour pressure:	N/A
Relative vapour density at 20 °C	N/A
Relative density:	≈0.9 g/cm ³
Solubility in water:	Insoluble.
Partition coefficient n-octanol/water (log Pow)	N/A
Viscosity, kinematic	N/A
Viscosity, dynamic:	N/A
Explosive properties:	N/A
Oxidising properties:	N/A
Explosive limits:	N/A

9.2) **Other information:** VOC content – 0%

SECTION 10: Stability and Reactivity

10.1) **Reactivity:** Not expected to present a significant hazard under normal conditions

10.2) Chemical Stability: Stable under normal conditions

10.3) Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

10.4) Conditions to avoid: Powerful sources of ignition and extremes of temperature

10.5) Materials to avoid: Strong oxidising agents

10.6) Hazardous decomposition products: Oxides of carbon, possible smoke and soot

SECTION 11: Toxicological Information

11.1) Information on toxicological effects

Acute toxicity: Not considered toxic under normal handling.
(Acute LD50 - Rat oral > 2000mg/Kg)

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Skin corrosion/irritation: Not classified PH: Not applicable

Serious eye damage/irritation: Not classified PH: Not applicable

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Potential adverse human health effects and symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting

SECTION 12: Ecological Information

12.1) Toxicity

Ecology- general: Notify authorities if product enters sewers or public waters. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems

Hazardous to the aquatic environment, short-term: Not classified.
(acute)

Hazardous to the aquatic environment, long-term: Not classified.
(chronic)

12.2) Persistence and degradability

Red Lithium Complex: Persistence and degradability: Not established.

12.3) Bioaccumulative potential:

Red Lithium Complex: Bioaccumulative potential: Not established.

12.4) Mobility in soil

Red Lithium Complex: Ecology – soil: Not established.

12.5) Results of PBT and vPvB assessment

PBT: Not relevant – no registration required.

vPvB: Not relevant – no registration required.

12.6) **Other adverse effects:** No additional information available.

SECTION 13: Disposal Considerations

13.1) Waste treatment methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology – waste materials: Avoid release to the environment.

European List of Waste code (LOW): 12 01 12 – spent waxes and fats.

Section 14: Transport Information

ADR	IMDG	IATA	ADN	RID
14.1) UN NUMBER				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2) PROPER SHIPPING NAME				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3) TRANSPORT HAZARD CLASS(ES)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4) PACKING GROUP				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5) ENVIRONMENTAL HAZARDS				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available.				

14.6) Special Precautions for user

Overland transport

No data available.

Transport by sea

No data available.

Air transport

No data available.

Inland waterway transport

No data available.

Rail transport

No data available.

14.7) Transport in bulk according to Annex II of Marpol and the IBC code

Not applicable.

SECTION 15: Regulatory Information

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

15.1.1) EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

VOC content: 0%

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

15.1.2) **National regulations:** No additional information available.

15.2) **Chemical safety assessment:** No chemical safety assessment has been carried out.

SECTION 16: Other Information

General Information

Only trained personnel should use this material.

DATA SOURCES:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Risk Phrases In Full

None required

Hazard Statements In Full

None required

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