

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING****Product Identifier:** EP LITHIUM GREASE #00**Relevant identified uses of the substance or mixture and uses advised against:**

Intended use: Refer to Technical Data Sheet

**Details of the supplier of the safety data sheet:**

MOREY OIL SOUTH PACIFIC LTD  
135 HEPBURN ROAD, GLENDENE  
AUCKLAND 0602, NEW ZEALAND

Phone number: +649 8139200  
Website: www.moreyoil.co.nz  
Email: info@moreyoil.co.nz

**SECTION 2 HAZARDS IDENTIFICATION****Classification of the substance or mixture:**

Not Classified

**Label Elements:**

Using the Toxicity Data listed in section 11 &amp; 12 the product is labelled as follows.

Not Classified

<b>HMIS</b>	<b>Health:</b>	0	<b>NFPA</b>	<b>Health:</b>	0
	<b>Fire:</b>	1		<b>Fire:</b>	1
	<b>Physical:</b>	0		<b>Reactivity:</b>	0
	<b>Hazards:</b>			<b>Special Hazards:--</b>	
	<b>PPE:</b>	C			

**Other Hazards:**

This product contains no PBT/vPvB chemicals.

**Not classified as hazardous according to the criteria of HSNO New Zealand.****SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

CAS Number	%	Name	EC No. 1272/2008 GHS Classification
0064742-52-5	<90	Distillate (petroleum) hydrotreated heavy naphthenic	Not Classified
0064742-57-0	<20	Residual oils (petroleum), hydrotreated	Not Classified
0000106-14-9	<3	Octadecanoic acid, 12-hydroxy-	Not Classified
0010254-57-6	<3	Carbamodithioic acid, dibutyl-, methylene ester	Not Classified

\* The full texts of the phrases are shown in Section 16.

**SECTION 4 FIRST AID MEASURES**

<b>General:</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.
<b>Skin:</b>	In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.
<b>Eye:</b>	In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.
<b>Ingestion:</b>	Do not induce vomiting. Call a doctor or emergency medical facility immediately.

**Most important symptoms and effects, both acute and delayed.**

No data available

**SECTION 5 FIRE FIGHTING MEASURES**

- Extinguishing media:** Use carbon dioxide (CO<sub>2</sub>), dry chemical, or foam to extinguish flames.
- Special hazards arising from the substance or mixture:** Hazardous decomposition products. May form CO and CO<sub>2</sub>.
- Advice for fire-fighters:** Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from firefighting to enter drains or water courses.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures:**  
Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.
- Environmental precautions:** Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.
- Methods and material for containment and cleaning up:**  
Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.  
Contain and absorb spillage with non-combustible materials. Place in closed containers outside buildings and dispose of according to the Waste Regulations. See section 13. Clean preferably with a detergent. Do not use solvents.  
Do not allow spills to enter drains or water courses.  
If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes, the Environmental Protection Authority should also be informed.  
Dispose of in accordance with local environmental regulations.

**SECTION 7 HANDLING AND STORAGE**

- Precautions for safe handling:**
- Handling:** Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapour. Use with adequate ventilation.
- In storage:** Store in a dry location at room temperature. Keep this container and vapours from the container away from heat and flame. Keep container closed and maintain all original markings and labels.
- Conditions for safe storage including any incompatibilities:** Keep away from strong oxidizing and reducing agents.  
CAUTION: Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapours. Always obey hazard warnings and handle empty containers as if they were full.
- Specific end use(s):** There are no exposure scenarios, see details in section 1.

**SECTION 8 EXPOSURE CONTROLS - PERSONAL PROTECTION**

**Control parameters:**  
The following occupational exposure limits have been established.

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0000106-14-9	Octadecanoic acid, 12-hydroxy-	OSHA ACGIH	No established limit No established limit
0010254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	NIOSH OSHA ACGIH NIOSH	No established limit No established limit No established limit No established limit
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA ACGIH	No established limit No established limit

0064742-57-0 Residual oils (petroleum), hydrotreated

NIOSH	No established limit
OSHA	No established limit
ACGIH	No established limit
NIOSH	No established limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10mg/m<sup>3</sup> ACGIH.

**Carcinogen data:**

CAS NUMBER	INGREDIENT	SOURCE	VALUE
0000106-14-9	Octadecanoic acid, 12-hydroxy-	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0010254-57-6	Carbamodithioic acid, dibutyl-, methylene ester	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-52-5	Distillate (petroleum) hydrotreated heavy naphthenic	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
0064742-57-0	Residual oils (petroleum), hydrotreated	OSHA IARC	Select Carcinogen: No Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

**DNEL/PNEC values:** No data available

**Exposure controls:** No special requirements under ordinary conditions of use and with adequate ventilation.

**Eye/face protection:** Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

**Skin protection:** Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes or signs of wear.

**Other:** Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.

**Respiratory protection:** Use NIOSH/OSHA approved respirator where high vapour concentrations are present.

**Thermal hazards:** No data available.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
------------------	---

<b>Appearance:</b>	<b>BLUE GREASE</b>		
<b>Odour:</b>	Petroleum Odour		
<b>Odour threshold:</b>	Not determined	<b>pH:</b>	Not measured
<b>Melting point/freezing point (C):</b>	Not determined	<b>Initial boiling point and boiling range (C):</b>	> 300
<b>Flash point (C):</b>	> 200	<b>Evaporation rate (H<sub>2</sub>O = 1):</b>	Not determined
<b>Flammability (solid, gas):</b>	Not applicable	<b>Relative density:</b>	0.9177
<b>Vapour pressure (Pa):</b>	Not determined	<b>Vapour density:</b>	Heavier than air
<b>Solubility(ies):</b>	negligible	<b>Auto-ignition temperature (C):</b>	Not determined
<b>Decomposition temperature:</b>	Not determined	<b>Pour point temperature (C):</b>	Not determined
<b>Volatile Organic Compounds:</b>	nil	<b>SADT:</b>	Not determined
<b>Viscosity (cSt) @ 100 C:</b>	Not measured	<b>Viscosity (cSt) @ 40 C:</b>	Not measured
<b>Upper/lower flammability or explosive limits</b>			
<b>Lower Explosive Limit:</b>	Not determined	<b>Upper Explosive Limit:</b>	Not determined
<b>Partition coefficient n-octanol/water (Log Kow):</b>			Not determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

**Other information:**

DMSO extract by IP346: Less than 3.0 wt% (mineral oil component only)

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
-------------------	---------------------------------

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Material is normally stable at ambient temperature and pressure.
<b>Possibility of hazardous reactions:</b>	May react with oxidising agents
<b>Conditions to avoid:</b>	High temperature, sparks and open flames.
<b>Incompatible materials:</b>	Keep away from strong oxidising and reducing agents.
<b>Hazardous decomposition products:</b>	May form CO and CO <sub>2</sub> .

## SECTION 11 TOXICOLOGICAL INFORMATION

### Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LD50, mg/L/4hr
Carbamodithioic acid, dibutyl-, mtethylene ester – (0010254-57-6)	16,000.00, Rat	>2,000, Rabbit	Not Available
Distillate (petroleum) hydrotreated heavy naphthenic – (0064742-52-5)	>5,000, Rat	5,000.00, Rabbit	Not Available
Octadecanoic acid, 12-hydroxy- (0000106-14-9)	Not Available	Not Available	Not Available
Residual oils (petroleum), hydrotreated – (0064742-57-0)	Not Available	Not Available	Not Available

Classification	Category	Hazard Description
Acute toxicity (oral)	Not classified	Not applicable
Acute toxicity (dermal)	Not classified	Not applicable
Acute toxicity (inhalation)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Serious eye damage/irritation	Not classified	Not applicable
Respiratory sensitisation	Not classified	Not applicable
Skin sensitisation	Not classified	Not applicable
Germ cell mutagenicity	Not classified	Not applicable
Carcinogenicity	Not classified	Not applicable
Reproductive toxicity	Not classified	Not applicable
STOT – single exposure	Not classified	Not applicable
STOT – repeated exposure	Not classified	Not applicable
Aspiration hazard	Not classified	Not applicable

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity:

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

### Aquatic Ecotoxicity:

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Distillate (petroleum) hydrotreated heavy naphthenic – (0064742-52-5)	5,000.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	1,000.00 (96 hr) Scenedesmus subspicatus
Residual oils (petroleum) hydrotreated – (0064742-57-0)	Not Available	Not Available	Not Available
Octadecanoic acid, 12-hydroxy- (0000106-14-9)	Not Available	Not Available	Not Available
Carbamodithioic acid, dibutyl-, methylene ester – (0010254-57-6)	Not Available	Not Available	Not Available

<b>Persistence and degradability:</b>	There is no data available on the preparation itself.
<b>Bioaccumulative potential:</b>	Not measured

**Mobility in soil:** No data available  
**Results of PBT and vPvB assessment:** This product contains no PBT/vPvB chemicals  
**Other adverse effects:** No data available

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
-------------------	--------------------------------

**Waste treatment methods:** Consult federal, state and local regulations regarding disposal methods. Recycle used oil. Do not contaminate used oil with solvents or other chemicals.

<b>SECTION 14</b>	<b>TRANSPORTATION INFORMATION</b>
-------------------	-----------------------------------

**UN Number:** Not applicable  
**UN proper shipping name:** Not regulated

**Transport hazard class(es):**  
**US DOT Label** Not regulated  
**ADR/RID** Not regulated  
**IMDG** Not regulated  
**Sub class** Not applicable

**Packing group:** Not applicable

**Environmental hazards:**  
**ADR/RID** Environmentally Hazardous: No – Not regulated  
**IMDG** Marine Pollutant: No – Not regulated

**Special precautions for user:** No further information

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
-------------------	-------------------------------

**National Legislation:**

United States:

The regulatory data in Section 15 is not intended to be all inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**SARA 311/312 (>0.1%):** Not applicable  
**SARA 313 (>0.1%):** Not applicable  
**CERCLA (>0.1%):** Not applicable

**Inventory – Canada – Non – Domestic Substances List (NDSL):**  
 Not applicable

**California Proposition 65 Cancer:**  
 Not applicable

**California Proposition 65 Developmental:**  
 Not applicable

**California Proposition 65 Female Reproductive:**  
 Not applicable

**California Proposition 65 Male Reproductive:**  
 Not applicable

**Inventory – Australia - Inventory of Chemical Substances (AICS):**

Carbamodithioic acid, dibutyl-, methylene ester  
 Distillate (petroleum) hydrotreated heavy naphthenic  
 Lithium hydroxide monohydrate  
 Octadecanoic acid, 12-hydroxy-  
 Residual oils (petroleum), hydrotreated

**Inventory – Japan Existing and New Chemical Substances (ENCS):**

Carbamodithioic acid, dibutyl-, methylene ester (2-3522)

Distillate (petroleum) hydrotreated heavy naphthenic ()  
Octadecanoic acid, 12-hydroxy- (2-1340; 9-1676)  
Residual oils (petroleum), hydrotreated (9-1689)

**Korean Existing Chemicals Inventory:**

Carbamodithioic acid, dibutyl-, methylene ester  
Distillate (petroleum) hydrotreated heavy naphthenic  
Octadecanoic acid, 12-hydroxy-  
Residual oils (petroleum), hydrotreated

**Inventory of Existing Chemical Substances in China:**

Not applicable

**Philippines Inventory of Chemicals and Chemical Substances (PICCS):**

Carbamodithioic acid, dibutyl-, methylene ester  
Distillate (petroleum) hydrotreated heavy naphthenic  
Lithium hydroxide monohydrate  
Octadecanoic acid, 12-hydroxy-  
Residual oils (petroleum), hydrotreated

**Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act:**

Not applicable

**EU REACH: Annex XVII, Dangerous Substances and Preparations:**

Distillate (petroleum) hydrotreated heavy naphthenic  
Residual oils (petroleum), hydrotreated

**Inventory - European Union – European Inventory of Existing Commercial Chemical Substances (EINECS):**

Carbamodithioic acid, dibutyl-, methylene ester (233-593-1)  
Distillate (petroleum) hydrotreated heavy naphthenic (265-155-0)  
Octadecanoic acid, 12-hydroxy- (203-366-1)  
Residual oils (petroleum), hydrotreated (265-160-8)

**EU List of Notified Chemical Substances (ELINCS):** Not applicable**Risk Phrases:**

Not Classified

**SECTION 16 OTHER INFORMATION**

This information has been compiled from sources considered to be dependable and is accurate to the best of Morey Oil South Pacific Ltd knowledge. Morey Oil South Pacific Ltd makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Morey Oil South Pacific Ltd assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

The full text of the phrases appearing in section 3 is:

**This is the first revision of this SDS Format, changes from previous revision not applicable.**

**End of document**