

### INDY GREASE LX3

#### Lithium Complex Grease

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	INDY Grease LX3 (460cSt, Tan)
Description	Lithium Complex Grease
Validation Date	November 2023
Manufacturer	Tribolube Lubricants (PTY) Ltd, 8 Stockville Road, Mahogany Ridge, Durban, South Africa
Emergency Contact Number	+ 27 31 811 7789 + 27 60 572 8088

## 2. COMPOSITION

Component	EINECS Number	CAS registry number	% content	Classification
Distillate (Petroleum), Solvent dewaxed, paraffinic	265-169-7	64742-65-0	70 - 95	R36 / R38

## 3. HAZARDS IDENTIFICATION

Emergency Overview

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

Pietermaritzburg

Tel: + 27 33 392 9300  
Fax: +27 33 390 1844

## MATERIAL SAFETY DATA SHEET – PAGE 2

Physical State: Grease

Odor: Petroleum Odor.

### Potential Health Effects:

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Skin Contact: Lubricating oils are generally considered no more than minimally irritating to the skin.

Eye Contact: Lubricating oils are generally considered no more than minimally irritating to the eyes. May cause slight irritation of the eyes.

Ingestion Irritation: Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

Ingestion Toxicity: Lubricating oils are generally no more than slightly toxic if swallowed.

Long-Term (Chronic)

Reproductive: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Skin Contact: Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis, or oil

HMIS Ratings:

Health: 1

Flammability: 1

Reactivity: 0

PPE: B

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

**PIETERMARITZBURG**

Tel: +27 33 392 9300  
Fax: +27 33 390 1844

## 4. FIRST AID MEASURES

### General Information

If the product splashes into the eye it may cause irritation and conjunctivitis. Ingestion may lead to irritation of the mouth, throat and digestive tract. Aspiration into the respiratory system may occur directly or following ingestion. The product has the potential to be fatal if large amounts are swallowed. Prolonged exposure to vapour may cause headache, dizziness, nausea and irritation to the eyes, upper respiratory tract, mouth and digestive tract. Obtain medical attention if discomfort continues. Remove affected person from source of contamination.

The following recommendations apply to sources of exposure:

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained

individual administer oxygen. Get medical attention immediately.

Eyes: Flush with water. If irritation occurs, get medical attention. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling occur, transport to

nearest medical facility for additional treatment.

Skin Contact: Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get

medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain, and/or blisters occur, transport to the nearest medical facility for

additional treatment.

Ingestion: Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS.

Notes to Doctor: Aspiration during swallowing or vomiting may severely damage the lungs.

## 5. FIRE FIGHTING MEASURES

### **Flammability Summary:** Combustible at elevated temperatures

#### Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid.

#### Fire and/or Explosion

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

**PIETERMARITZBURG**

Tel: +27 33 392 9300  
Fax: +27 33 390 1844

## MATERIAL SAFETY DATA SHEET – PAGE 4

Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
Hazardous Combustion:	Carbon dioxide, Carbon monoxide, Products.
Flash point:	220 °C

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid inhalation of vapour and aerosol spray. Avoid contact with eyes, and prolonged skin contact. Ensure adequate ventilation is provided. In the event of a spill, beware of slippery surfaces.
Environmental precautions	Do not allow environmental contamination to occur. Avoid disposal (accidental or incidental) of product into drains, sewers, rivers and other water sources, and onto the ground. Use appropriate spill containment measures to avoid environmental contamination. Inform local authorities if this cannot be prevented. Use sand, earth or other appropriate absorbent material to contain spills. The product should not be dumped, but collected and delivered according to agreement with local authorities.
Spill clean-up / containment	Stop product leak if possible to do so without risk. Extinguish all ignition sources, and ensure adequate ventilation. The product in its liquid form can be contained by creating a barrier using sand, earth or other appropriate containment material. Collect with absorbent, non-combustible material into suitable containers. Do not allow run-off into sewers and drains. Dispose of material according to agreement with local authorities. Inform authorities immediately if the liquid enters surface water sources.

## 7. HANDLING AND STORAGE

### USAGE PRECAUTIONS

Ensure good personal hygiene when handling product. Wash hands, clothing and other contaminated areas with water and soap before leaving the work site to minimize spread of contamination. Do not eat, drink or smoke when using the product. Avoid forming sprays / aerosol mists. Ensure adequate

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

**PIETERMARITZBURG**

Tel: +27 33 392 9300  
Fax: +27 33 390 1844

## MATERIAL SAFETY DATA SHEET – PAGE 5

ventilation is provided when product is being used. Ensure personal protective equipment is used where necessary.

### STORAGE CONDITIONS

Store the product in its original container, and ensure closed and kept upright. Store in a cool, dry, and Ensure that the relevant spill containment apparatus excessive temperatures should be avoided. Water avoided.



that the container is tightly well-ventilated area. is available. Exposure to contamination should be

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT

The following personal protective equipment is applicable:



### ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize risk of inhalation of vapour.

### RESPIRATORY EQUIPMENT

The use of respiratory equipment under normal operating conditions is not required. Should operating conditions create airborne concentrations that are excessive, the use of an approved respirators such as toxic dust, mist and fume respirators are recommended.

### HAND PROTECTION

The use of chemical-resistant, nitrile or butyl rubber gloves is recommended.

### EYE PROTECTION

The use of tightly-fitted safety goggles / glasses is recommended when splashing is probable.

### OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### HYGIENE MEASURES

Wash contaminated clothing promptly and before reuse. Wash skin with soap and water upon contamination.

### OCCUPATIONAL EXPOSURE

The ACGIH TLV for mineral oil mists is 5 mg.m<sup>-3</sup> for a time period of 8-hour exposure. A short-term exposure

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

**PIETERMARITZBURG**

Tel: +27 33 392 9300  
Fax: +27 33 390 1844

## MATERIAL SAFETY DATA SHEET – PAGE 6

limit of 10 mg.m<sup>-3</sup> (STEL) is recommended.

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

**PIETERMARITZBURG**

Tel: +27 33 392 9300  
Fax: +27 33 390 1844

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	brown paste
Odour	Hydrocarbon
Solubility	Insoluble in water
Vapour density (air = 1)	Heavier than air
Density at 20°C	900 kg.m <sup>-3</sup> (typical)
Flash point	> 200 °C

## 10. STABILITY AND REACTIVITY

Stability	The product is stable.
Materials to avoid	Strong oxidising agents
Conditions to avoid	Extremes of temperatures.
Hazardous Decomposition Products	None under normal conditions known

## 11. TOXICOLOGICAL INFORMATION

### HEALTH WARNINGS

The product can be hazardous when inhaled or touched. May cause internal injury. Vapour from product is hazardous when inhaled.

### ROUTES OF ENTRY

Inhalation. Ingestion. Skin or eye contact.

### TOXICOLOGICAL DATA

Acute toxicity - Oral	LD50 expected to be > 2000 mg/kg
- Dermal	LD50 expected to be > 2000 mg/kg
Inhalation	Not considered a hazard under normal use
Eye Irritation	Can be slightly irritating
Skin Irritation	Can be slightly irritating upon prolonged exposure.
Respiratory Irritation	If mists are inhaled, slight irritation of the respiratory tract may occur.
Carcinogenicity	Not known to be carcinogenic.
Mutagenicity	Not considered to be a mutagenetic hazard.
Reproductive toxicity	Not considered to be a hazard.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

The product may cause physical fouling of the aquatic environment, and may present risks associated with oil spills.

### BIOACCUMULATION

The product has the ability to bioaccumulate. No available data on bioaccumulation.

### DEGRADABILITY

No available data on degradability.

## 13. DISPOSAL CONSIDERATIONS

Waste relating to the product is considered hazardous, and should be disposed off according to regulations as stipulated by local authorities.

**DURBAN**  
**HEAD OFFICE**

**PIETERMARITZBURG**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

Tel: +27 33 392 9300  
Fax: +27 33 390 1844

## 14. TRANSPORTATION INFORMATION

The product is not regulated and no special transportation requirements exist.

## 15. REGULATORY INFORMATION

Risk phrases R36 / R38

## 16. OTHER INFORMATION

Validated by : GUD Holdings (Pty) Ltd  
Validation date : November 2015  
Revision number : 04  
Revision date : April 2022

### RISK PHRASES IN FULL

R36 / R38 : Irritating to eyes and skin

**DURBAN**  
**HEAD OFFICE**

Tel: +27 31 910 3111  
Fax: +27 31 902 4889

**PIETERMARITZBURG**

Tel: +27 33 392 9300  
Fax: +27 33 390 1844