

GRAPHITE GREASE

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier and uses of the substance or mixture

Product Name	Indy Graphite Grease
Description	Lithium Grease EP2 (460 cSt)
Relevant uses	Mining, construction, steel, cement, paper and other heavy industrial applications.

1.2 Details of the supplier of the safety data sheet

Manufacturer	Tribolube Lubricants (PTY) Ltd, 8 Stockville Road, Mahogany Ridge, Durban, South Africa

1.3 Emergency telephone number

Emergency Contact Number(s)	+ 27 31 910 3111 + 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	R 36/38
Stearate	231-536-5	1592-23-0	5 - 25	R 36 / 38
Mineral oil and additive	232-455-8	8042-47-5	0.5 - 30	R36/R38

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

3. HAZARDS INDENTIFICATION

Emergency Overview

Physical State:	Grease
Odour:	Petroleum odour.

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 and:	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

4. FIRST AID MEASURES

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	
Hazards:	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	
Products:	Carbon dioxide, Carbon monoxide,
Flash Point:	220 deg. C

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling:	Mildly irritating material. Avoid unnecessary exposure.
Storage:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

The following personal protective equipment is applicable:



Engineering measures:	No special requirements.
Respiratory equipment:	No special requirements.
Eye Protection:	Wear safety glasses when handling this product.
Skin Protection:	Gloves should be worn.
Exposure Limits:	NA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Grease
Odour:	Petroleum odour.
pH:	ND

Viscosity:	460 cSt @ 40 deg C
Solubility in Water:	Insoluble
Specific Gravity:	0.86 - 0.9
Flash Point:	220 deg. C
Colour:	Black

10. STABILITY AND REACTIVITY

No hazardous decomposition of products if stored and handled as prescribed.

Stability:	Stable
Conditions to avoid:	High Temperatures
Incompatibity:	Store away from oxidising agents

11. TOXICOLOGICAL INFORMATION

Oral:	RATS Almost non-toxic (LD50 > 2000mg/kg)
Inhalation:	None
Eyes:	None
Skin:	None

12. ECOLOGICAL INFORMATION

Degradation potential:	No experimental data on the final product. Does contain mineral or synthetic oil which is degradable over time.
Further Information:	This product is considered as dangerous to ground flora

13. DISPOSAL CONSIDERATIONS

Disposal of Packaging:	Recycle containers whenever possible.
Disposal Methods:	Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

14. TRANSPORTATION INFORMATION

Special Information:	DOT & IMDG: NOT RESTRICTED

15. REGULATORY INFORMATION

Labelling:	The product is classified as non-hazardous
Water hazard class:	N.E.

16. OTHER INFORMATION

Validated by	: GUD Holdings (Pty) Ltd
Validation date	: November 2023
Revision number	: 01
Revision date	: November 2023

Disclaimer

To the best of our knowledge, the information provided in this MSDS document is correct. Access to this information is being provided via the Internet so that it can be made available to as many potential users as possible. We do not assume any liability for consequences of the use of this information since it may be applied under conditions beyond our control or knowledge. Also, it is possible that additional data could be made available after this MSDS was issued. Certain hazards are described herein, however these may not be the only hazards that exist. All materials may present unknown hazards and should be used with caution.

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