

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1 Product identifier**
**Trade name:** BLUE LITHIUM COMPLEX GREASE

**Article number:** TG8904

**1.2 Relevant identified uses of the substance or mixture and uses advised against**
**Use of substance / mixture:** PC24: Lubricants, greases, release products.

**1.3 Details of the supplier of the safety data sheet**
**Manufacturer/Supplier:** TYGRIS Industrial  
 Unit 31, Kyle Road Industrial Estate  
 Irvine  
 Ayrshire  
 KA12 8LE  
 Tel +44 (0) 1294 311 066  
 Fax +44 (0) 1294 277 115  
 Email technical@tygrisindustrial.com

**Further information obtainable from:** Technical Department

**1.4 Emergency telephone number:** Tel +44 (0) 1294 311 066

**SECTION 2: Hazards identification**
**Physical State:** Semi solid, smooth

**Chemical Name**

PRODUCT COMPOSITION	CAS NO.	WEIGHT %
Base Oil-Highly refined	93572-43-1	80%
12-Hydroxy Stearic Acid (12-HSA)	106-14-9	15%
Additive package	64742-65-0	5%

To present knowledge of the supplier this product does not contain any hazardous ingredients in accordance to national regulation

**SECTION 3: Composition/information on ingredients**
**EMERGENCY OVERVIEW:** No specific hazard.

**Routes of Entry:** Dermal contact, eye contact, Inhalation, Ingestion

**Potential health Hazards Human Eyes, Skin, Inhalation, Ingestion** No known significant effects or critical hazards.

**Environmental Hazards:** Not classified as dangerous.

See sections 11 &amp; 12 for more detailed information on health effects, symptoms and environmental hazards.

**SECTION 4: First aid measures**

<b>Eyes</b>	Hold eyelids open and flush eyes with water.
<b>Skin</b>	Remove contaminated clothing and shoes. Wash affected body parts thoroughly with soap and water. Kerosene, gasoline or organic solvents must not be used.
<b>Ingestion</b>	Oil products must not be siphoned by mouth. Ingestion is unlikely however if it does occur DO NOT INDUCE VOMITING. No emergency measures are needed but if adverse health effects follow get medical attention.
<b>Inhalation</b>	In the event of dizziness or nausea, remove casualty to fresh air. If symptoms persist obtain medical attention. If breathing stops give assisted respiration by the mouth to mouth or mouth to nose method.

**SECTION 5: Firefighting measures**

<b>Flash Point</b>	Open cup: > 200°C (Cleveland)
<b>Extinguishing Media</b>	CO <sub>2</sub> , Foam, Dry chemical and Extinguishers. Sand or earth may used to smother small fires. Do not use water jet.
<b>Products of Combustion</b>	Final products of combustion may include carbon dioxide, carbon monoxide, sulfur oxide, metal oxides and water.
<b>Special Exposure Hazards</b>	In a fire or if heated, pressure increase will cause explosion. Cool closed containers exposed to fire with water.
<b>Protective Equipment</b>	Fire fighters should wear appropriate protective equipment and self contained Fire – Fighting breathing apparatus (SCBA) operated in positive pressure mode.

**SECTION 6: Accidental release measures**

<b>Personal Precautions:</b>	Immediately contact emergency personal. Keep unnecessary personnel away. Wash any contaminated underlying skin with soap and water. Good working practices and personal hygiene standards should be maintained at all times. Wash hands after use and always before eating, drinking smoking and before using toilet.
<b>Environmental Precautions:</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Spillage:</b>	Shut off source of leak; soak up residue with absorbent such as Vermiculite. Transport of disposal site in accordance with current applicable laws and Fire- Fighting Measures Fire extinguishers suitable: Foam, CO2 & powder Not suitable: Water under strong pencil like jet forbidden Fire fighter protection: An insulated breathing apparatus must be worn to fight fires.

**SECTION 7: Handling and storage**

<b>Handling:</b>	Put on appropriate personal protective equipment before handling. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.
<b>Storage:</b>	Keep containers sealed until ready for use. Do not store in unlabelled Containers. Keep container in a cool & well-ventilated area, away from direct sunlight & rain. Store away from strong oxidizing or combustible material.
<b>Note:</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

**SECTION 8: Exposure controls/personal protection**

<b>Engineering Control</b>	Use adequate ventilation. For storage and ordinary handling, general ventilation is satisfactory. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Hand Protection</b>	Use oil resistant gloves those overalls to minimize skin contact and contamination of personal clothing.
<b>Eye Protection</b>	Wear safety glasses with side shields.
<b>Respiratory Protection</b>	Avoid inhalation of mist.

**SECTION 9: Physical and chemical properties**

<b>Physical Stage:</b>	Smooth semi-solid
<b>Colour:</b>	Buttery dark gray
<b>Odour:</b>	Characteristic greasy
<b>Dropping Point °C:</b>	300 typical and Chemical Properties
<b>Worked Penetration:</b>	NLGI 2 Vapor
<b>Pressure @ 20 0C:</b>	Not applicable.
<b>Solubility in water (20 0C) :</b>	Negligible

**SECTION 10: Stability and reactivity**

<b>Stability:</b>	Stable.
<b>Materials to avoid:</b>	Extreme heat should be avoided.

**SECTION 11: Toxicological information**

<b>Acute Studies</b>	Non toxic in normal conditions.
<b>Eye</b>	No irritant effect known.
<b>Skin</b>	No irritant effect known.
<b>Ingestion</b>	Not expected to occur.
<b>Inhalation</b>	No known significant effects or critical hazards.
<b>Long Term Studies</b>	
<b>Carcinogenicity</b>	No data available.
<b>Mutagenicity</b>	No data available.
<b>Reproductive Toxicity</b>	No data available.

**SECTION 12: Ecological information**

<b>Environmental Hazard</b>	Not classified as dangerous
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**SECTION 13: Disposal considerations**

<b>Product Disposal</b>	Smaller quantities have to be disposed in line with local legislation.
<b>Container Disposal</b>	Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Small one - way packaging have to be disposed according to the local regulations.

**SECTION 14: Transport information**

<b>UN Number</b>	Not Assigned
<b>UN Class</b>	Not Assigned
<b>UN Packaging Group</b>	Not Assigned

**SECTION 15: Regulatory information**

Provincial / other regulations may apply to this material.

**SECTION 16: Other information**

**Disclaimer:**

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. The requirement or recommendation of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product shall take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication, and will be updated as when appropriate.