



MATERIAL SAFETY DATA SHEET

1. Identification of substance :

Product details	:	Extreme Pressure LUBRICATING GREASE
Trade Name	:	Chakrol - EP Grease.
Manufacturer / Supplier	:	Sri Chakra Lubes (P) Ltd 153/2, Manapet Road, Kanniakoil Pondicherry 607 402, email id: ch.qc@chakrol.com Ph: +91-413-261 1201/ +91 44 2433 2902.

2. Composition / Data on components :

Chemical Characterization & Description : Mixture containing refined Mineral oils ,Lithium stearate and Extreme Pressure additives.

3. Hazards identification :

Hazards designation

ACUTE EFFECTS:

HEALTH HAZARDS, GENERAL : No specific health hazard noted.

CHRONIC EFFECTS:

SENSITIZATION : No known information.

CARCINOGENICITY : IARC: Not listed ;OSHA :Not Regulated ; NTP: Not Listed

HEALTH WARNINGS : INHALATION : Oil mist can irritate airways and lungs.
SKIN CONTACT : Repeated or prolonged contact can result in drying of the skin.
EYE CONTACT : Irritating.
INGESTION : Can cause stomach ache and Vomiting.

ROUTE OF ENTRY : Inhalation ;Skin and/or eye contact ; Ingestion.

4. First aid measures :

General information	:	a. Change clothes and shoes contaminated or soaked by the product. b. Never put rags contaminated by the product into cloth-pockets.
After inhalation	:	Provide fresh air, consult a doctor in case of symptoms. (Eventually by inhaling the overheated product)
After Skin contact	:	The product is not skin irritating.
After Eye contact	:	Rinse opened eye for several minutes under running water.
After swallowing	:	In case of persistent symptoms consult doctor.

5. Fire Fighting measures :

Suitable extinguishing agents : CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire-fighting measures that suit the environment. For safety reasons, water is unsuitable extinguishing agent.

Protective equipment :In case of fire fighting , wear self containing breathing apparatus.

6. Accidental release measures:

Person related safety precautions : Particular danger of slipping on leaked / spilled product.

Measures for environmental protection : Do not allow to enter drainage system, surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter the ground / soil.

Measures for cleaning / collecting :Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, saw dust) .Dispose of the material collected according to regulations.

Additional information :No dangerous materials are released.

7. Handling and Storage:

Store in clearly marked containers under cover at maximum temperature of 40°C.
Keep away from food and drink.
Local regulations concerning handling and storage of water polluting products have to be followed.

8. Exposure control / Personal Protection:

Eyes : Safety goggles or face shield recommended where operations may cause splash into eyes.

Skin : The use of gloves or suitable barrier creams is recommended where prolonged and repeated contact with the product is inevitable.

Industrial Hygiene : 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 the toilet.
- Change heavily contaminated clothing as soon as reasonably practicable.
- Wash any contaminated underlying skin with soap and water.



9. Physical and chemical properties:

Form	:	Solid
Colour	:	Dark Brown / Amber Yellow
Flash Point	:	>220 °C ASTM D 92
Self-inflammability	:	Product is not self-igniting
Danger of explosion	:	Product is not explosive
Solubility in / Miscibility with water	:	Not miscible or difficult to mix
Dropping point	:	min 180 °C ASTM D 566
Penetration @ 25 °C	:	EP2 = 265-295 dmm, EP3 = 220-250 ASTM D 217

10. Stability and reactivity:

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.
 Dangerous reactions : No dangerous reactions known.
 Dangerous products of composition : No dangerous decomposition products known.

11. Toxicological information:

Mild toxicity.

Primary irritant effect
 on the skin : No irritant effect known
 on the eye : No irritant effect known
 Sensitization : No sensitizing effect known

Additional toxicological information :
 The product is now subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version :When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information:

Behaviour in environmental systems : No data available
 Mobility and bioaccumulation potential : No data available.
 Ecotoxic effects : No data available.
 Behaviour in sewage processing plant :
 The products sinks in the sewage water on account of its high specific gravity, eventually it is able to pass the conventional collector for light-density material.

13. Disposal consideration:

Products : Small Quantities.
 Recommendation
 Smaller quantities have to be disposed in line with local legislation.

Unclean packaging :
 Recommendation
 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.

14. Transport information:

Not classified

15. Regulatory information:

Designation according to EU guidelines :
 Observe the normal safety regulations when handling chemicals or mineral oil products.
 National regulations : Not applicable

16. Other information:

NFPA HAZARD RATING

HEALTH : Irritation, minor residual injury (1)
FLAMMABILITY : Burns only if pre- heated(1)
REACTIVITY : N/A (0)