



MATERIAL SAFETY DATA SHEET

1. Identification of substance :

Product details : **Hydraulic Oil**

Trade Name : **Chakrol Chy 32,46,68,100,150,220,320 & 460**

Manufacturer / Supplier : **M/s Sri Rama Lubricants.**
 153/5/2, Manapet Road, Kanniakoil
 Pondicherry 607 402, email id: ch.qc@chakrol.com
 Ph: +91-413-2611518/ +91 44 2433 2902.

2. Composition / Data on components :

Chemical Characterization & Description : Mixture containing refined Mineral oils & 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 .

- a. Wash hands after use and always before eating, drinking, smoking and before using the toilet.
- b. Change heavily contaminated clothing as soon as reasonably practicable.
- c. Wash any contaminated underlying skin with soap and water.



9. Physical and chemical properties:

Form	:	Liquid
Colour	:	Bright & Clear
Flash Point	:	>200 °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
Density	:	0.86 – 0.89 ASTM D 1298
K. Viscosity @ 40 °C	:	ISO VG 32,46,68,100,150,220,320,460 ASTM D 445

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:

Behavior in environmental systems : No data available

Mobility and bioaccumulation potential : No data available.

Ecotoxicological effects : No data available.

Behavior in sewage processing plant :

The products float in the sewage water on account of its low 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.

Uncleaned packaging :

Recommendation

Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning.

Small one-way packaging have to be disposed accordingly as per prevailing 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)