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# Bharat Oil Company (I) Regd.

Recycling & Incineration of Hazardous Wastes

ISO 9001-2015



Quality Certified Company

Lube Oil Re-Refining & Wholesale of Industrial Lubricating Oils

Hazardous & E-Waste Management

Incineration, Pre-Processing of Waste

WTS™ - Enterprise Waste Tracking & Management Software

Regd with MoeF&CC / CPCB as Recycler & Reprocessor

Authorised by UPPCB, for Lube Oil Recycling, HW & E-Waste Management

SEPL™ - NABL Accredited Laboratory for Testing of Air, Water, Soil, Hazardous Waste / Sludge / Slurry / Soil / Sediments / Chemicals/Materials

## MATERIAL SAFETY DATA SHEET Hydraulic Oil VG-46

### 1. Identification

#### Product identifier

Product name Hydraulic Oil VG-46  
Chemical name Mineral Hydrocarbon Oil  
Product number HO-BOC-08-2025-002  
Internal identification Not Available  
CAS number Not Available

#### Recommended use of the chemical and restrictions on use

Application Lubrication  
Uses advised against No specific uses advised against are identified.

#### Details of the supplier of the safety data sheet

Manufacturer Bharat Oil Company (India) Regd.  
E-18, Sahibabad Industrial Area, Site 4  
Ghaziabad-201010  
Email:sales@bharatoil.com, Website: www.bharatoil.com

#### Emergency telephone number

Emergency Telephone Number (Hazardous Material/Dangerous Goods Transportation Emergency Only)  
Mobile: 09717706048

### 2. Hazard(s) identification

#### Classification of the substance or mixture

Physical hazards Not Classified  
Health hazards Not Classified  
Environmental hazards Not Classified

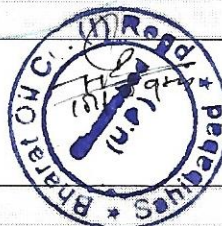
#### Label elements

Hazard statements NC Not Classified

### 3. Composition/information on ingredients

#### Substances

Product name Hydraulic Oil VG-46  
Chemical name Mineral Hydrocarbon Oil  
CAS number NA



### 4. First-aid measures

#### Description of first aid measures

Regd. & Sales/Corporate Office:  
Building No. 11, LGF, Community Centre,  
East of Kailash, New Delhi - 110065, India  
Ph : 011-41000710, 26210205, 26216466

Facilities:  
E - 18, Sahibabad Industrial Area, Site 4,  
Ghaziabad - 201010, UP, India

Sales/WhatsApp : +91-9717706048

Email : sales@bharatoil.com, Website : www.bharatoil.com



## Hydraulic Oil VG-46

<b>General information</b>	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
<b>Ingestion</b>	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
<b>Skin Contact</b>	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	Use protective equipment appropriate for surrounding materials.

### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort if swallowed.
<b>Skin Contact</b>	No specific symptoms known. May cause discomfort.
<b>Eye contact</b>	No specific symptoms known. May be slightly irritating to eyes.

### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No special treatment required.

## 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

### Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.



# Hydraulic Oil VG-46

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** No specific recommendations. For personal protection, see Section 8.

### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). No specific recommendations.

**Storage class** Unspecified storage.

### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## 8. Exposure Controls/personal protection

### Control parameters

#### Occupational exposure limits

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 10 mg/m<sup>3</sup>

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

### Exposure controls

#### Protective equipment



**Appropriate engineering controls** No specific ventilation requirements.

**Eye/face protection** No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.



## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Kinematic viscosity at 40 °C	- 44.3 cSt
Kinematic viscosity at 100 °C	- 7.4 cSt
Flash point	195°C
Pour Point	-15
Density at 25 °C	0.860 gm/cc

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances:  Harmful gases or vapors.
<b>Products</b>	

## 11. Toxicological information

### Information on toxicological effects

**Toxicological effects** Not regarded as a health hazard under current legislation.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** No data available.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No data available.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No data available.

#### Skin corrosion/irritation

**Animal data** No data available.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

#### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

#### Skin sensitization

**Skin sensitization** No data available.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** No data available.

#### Carcinogenicity

**Carcinogenicity** No data available

**IARC carcinogenicity** None of the ingredients are listed or exempt.

#### Reproductive toxicity

**Reproductive toxicity - fertility** No data available.

**Reproductive toxicity - development** No data available.



## Hydraulic Oil VG-46

### Hand protection

No specific hand protection recommended. Large Spillages: Wear protective gloves.

### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

### Respiratory protection

No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

### Environmental exposure controls

Not regarded as dangerous for the environment.



Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.



## Hydraulic Oil VG-46

<b>General information</b>	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort if swallowed.
<b>Skin Contact</b>	No specific symptoms known. May cause discomfort.
<b>Eye contact</b>	No specific symptoms known. May be slightly irritating to eyes.
<b>Route of entry</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target Organs</b>	No specific target organs known.

### 12. Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

**Toxicity** Based on available data the classification criteria are not met.

#### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

#### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

#### Mobility in soil

**Mobility** No data available.

#### Other adverse effects

**Other adverse effects** None known.

### 13. Disposal considerations

#### Waste treatment methods

**General information** The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

**Disposal methods** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

### 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

#### UN Number

Not applicable.

#### UN proper shipping name

Not applicable.

## Hydraulic Oil VG-46

**Transport hazard class(es)**

No transport warning sign required.

**Packing group**

Not applicable.

**Environmental hazards**

**Environmentally Hazardous Substance**

No.

**Special precautions for user**

Not applicable

**15. Other information**

Prepared By:

Checked By:

Approved By:

Revision:

Date of issue:

Revision date:

Document no:

Sr. Chemist / Compliance officer

Project manager

Technical Director

0.01

08-05.2025

NA

BOC/MSDS/ HAZ/03



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