



"Passionately Protecting Mother-Nature since 1978"

Bharat Oil Company (I) Regd.

Recycling & Incineration of Hazardous Wastes

Estd. Since 1978

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 Gear Oil ISO (VG-320)

1. Identification

Product identifier

Product name

Gear Oil ISO (VG-320)

Chemical name

Process Oil

Product number

GR-BOC-07-2025-005

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

Emergency telephone number

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

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

Composition/information on ingredients

Substances

Product name

Gear Oil VG (320)

Chemical name

Process Oil

CAS number

NA

First-aid measures

Description of first aid measures



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Building No. 11, LGF, Community Centre,
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Gear Oil ISO (VG-320)

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	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.
Ingestion	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
Skin Contact	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	Use protective equipment appropriate for surrounding materials.

Most important symptoms and effects, both acute and delayed

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

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	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.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

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

Advice for firefighters

Protective actions during firefighting	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.
Special protective equipment for firefighters	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.



Gear Oil ISO (VG-320)

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/m³

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Short-term exposure limit (15-minute): ACGIH 10 mg/m³

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Exposure controls

Protective equipment

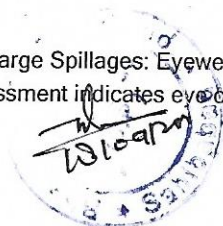


Appropriate engineering controls

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.



Gear Oil ISO (VG-320)

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.



9. Physical and Chemical Properties

Information on basic physical and chemical properties

Kinematic viscosity at 40 °C	- 290 cSt
Viscosity Index	90
Flash point	234°C
Pour Point	-3
Copper Corrosion (3 hrs@100 °C)-	1B
Demulsibility @54°C (40-37-3 ML in 30 min) - 40-	
38-2	

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

11. Toxicological information

Information on toxicological effects

Toxicological effects	Not regarded as a health hazard under current legislation.
Acute toxicity - oral	
Notes (oral LD₅₀)	No data available.
Acute toxicity - dermal	
Notes (dermal LD₅₀)	No data available.
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	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.

Specific target organ toxicity - single exposure

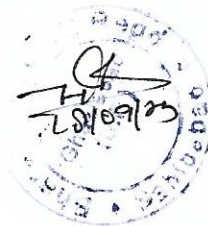
STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

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.



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



Gear Oil ISO (VG-320)

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:	Sr. Chemist / Compliance officer
Checked By:	Project manager
Approved By:	Technical Director
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