



Product Name : Gearlubric VG 150

Print Date: 04.10.04

Revision Date: 09.09.04

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1. IDENTIFICATION OF THE PREPARATION AND COMPANYProduct Name: Gearlubric VG 150Recommended application:

Lubricant

Name and Address of Company:**PETROFER-CHEMIE****Roemerring 12-16****D-31137 Hildesheim**Phone: **+49 (0)5121/7627-0** (also emergency telephone number)Fax: **+49 (0)5121/54438**

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical characterization, contains:**

mineral oil, EP-additives, chlorine-free and adjuvants

Ingredients presenting a health hazard:

| EINECS | Names | Symb. | Conc.-% |
|---------------|--------------------------------------|--------------|----------------|
| | R-phrases | | |
| | Ester of phosphoric acid, amine salt | | |
| | 51/53 | N | < 1 |

Cleartext of R-phrases see point 16!

3. POSSIBLE HAZARDS IDENTIFICATION OF THE PREPARATION**Designation:** n.a.**Special information on human and environmental safety:**

n.a.

4. FIRST AID MEASURES**General:**

In all causes of doubt seek medical attention.

Inhalation:

None

Skin contact:

Remove contaminated (drenched) clothing. Wash skin with soap and water.

Do **NOT** use solvents or thinners.**Eye contact:**

Rinse thoroughly with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice if necessary.

Ingestion:

Obtain medical attention if necessary. Give water and medical coal.

Do **NOT** induce vomiting if the person is in shock.

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5. FIRE-FIGHTING MEASURES**Extinguishing media:**Foam, dry powder, CO₂**For safety reasons inappropriate extinguishing methods:**

Water

Special hazards caused by the product, its combustion products or resulting gas:**Special Protective Measures:**

None.

General Information:

Cool closed containers exposed to fire with water to avoid damage to the containers.

6. ACCIDENTAL RELEASE MEASURES

Refer to protective measures listed in sections 7 and 8. Pay attention to slippery ground due to spillage. (Contain and collect spillage with non-combustible absorbent materials, e.g. vermiculite, kieselguhr, sand and fill in container for disposal according to local regulations).

Do not allow to enter drains or waters.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

7. HANDLING AND STORAGE**Handling:**

Do not eat, drink or smoke while handling the product. Avoid prolonged skin contact. Keep the product in containers of the same material as the original one. Comply with the health and safety at work laws.

Storage:

Store between 5 and 35 °C in a dry place. Containers which are opened must be carefully closed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Measures:**

Provide adequate ventilation if necessary.

Exposure Limits:**Occupational exposure limit for:**

Names

Limits/Regulations

Oil mist, mineral

LTEL/STEL: 5/10 mg/m³ EH40/02 (UK)**General protective and hygienic measures:**

Adhere to common industrial hygiene!

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Personal Protection Measures:**Hand protection:**

Recommended for prolonged or repeated contact.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. If necessary wear gloves.

Eye protection:

Use safety eyewear designed to protect against splashing of liquids if necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance****Physical state:** liquid**Colour** : amber**Odour** : like mineral oil

| Physical Data: | | value | method |
|-----------------------------|------------------|--------------------------|-------------|
| Pourpoint: | <= | - 8 °C | ISO 3016 |
| Boiling point: | ca. | °C | |
| Flash point: | ca. | 232 °C | ISO 2592 |
| Viscosity: | at 40 °C ca. | 150.0 mm ² /s | DIN 51562/1 |
| Specific gravity: | at 20 °C ca. | 0.885 g/cm ³ | DIN 51757 |
| Explosion limits: | | 0.6 - 10.0 Vol.% | |
| Solubility in water: | | unsoluble | |
| pH-value: | at % / 20 °C ca. | n.a. | DIN 51369 |

10. STABILITY AND REACTIVITY**Materials to be avoided:**

No special

Thermal combustion:

None in case of proper handling/storage

Hazardous decomposition products:

No special

Further information:

The product is free from chlorine, PCB and PCT.

11. TOXICOLOGICAL INFORMATION

Due to the chemical composition it is expected that the LD50-value is significantly above 2000 mg/kg.

Empirical data on effects on humans:

In case of proper handling, no negative effects have become known so far.

Primary irritation:**Sensitization:****Other information:**

] — see chapter 3

The product is classified according to the conventional method of guideline 1999/45/EC and according to the toxicological danger (see point 2 and 15).

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12. ECOLOGICAL INFORMATION

-- Mineral oil / hydrocarbon product --

Industrial chemicals should not be allowed to enter drains or waters
in larger amounts.

13. DISPOSAL CONSIDERATIONS**Product:**

Adhere to federal, state and local regulations.

Empty containers are to be disposed off according to official regulations.

EWC-No. (Recommendation): 130205

14. TRANSPORT INFORMATION**Land transport ADR/RID:**

Class: n.a. Pg: n.a.

UN-No.: n.a.

Shipping data IMDG:

Class: n.a. UN-No.: n.a.

EmS-No. : n.a. Marine pollutant: n.a.

Air transport ICAO/IATA:

Class: n.a. UN-No.: n.a.

Packaging group : n.a.

The product is a non-hazardous substance in the sense of the transport
regulations.

15. REGULATORY INFORMATION

Requirements according to the EC-Classification / Dangerous Substances
Regulation:

The product is a non-hazardous substance according to EC-regulations.

The product must be labelled as follows:

n.a.

contains:

n.a.

R phrases:

n.a.

S phrases:

n.a.

Special labelling for certain preparations:n.a.

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16. OTHER INFORMATION

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instructions.

It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements for our product; it is not to be considered as a guarantee of the products' properties.

R-phrase with corresponding reference number from point 2:

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This document is a system print-out and is valid without signature.

n.a. = not applicable
