

Safety Data Sheet
in accordance with SANS 10234:2019

Printing date 02.02.2022

Revision: 02.02.2022

1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name: RENOLIN CLP 220**
- **Product category** Industrial gear oils
- **Product Code** D503
- **Technical function:** Heavy duty - EP - industrial gear oils
- **Application of the substance / the preparation:**
The RENOLIN CLP oils are recommended for industrial spur, helical and bevel enclosed gears with circulation or splash lubrication, operating at oil temperatures up to 100°C and peaks above (up to 120°C).
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Fuchs Lubricants South Africa (PTY) LTD
7 Diesel Road, Isando 1600, Gauteng
Tel: (+27) 011 565 9600 (Switch Board) ZA-Technical@fuchs.com
- **Informing department:**
Fuchs safety department
Tel: (+27) 011 565 9600
Fax: (+27) 011 392 5688
- **Emergency telephone number:**
Technical Director: Dr. Siphilisiwe Ndlovu
Tel: (+27) 082 525 0172

2 Hazards identification

- **Classification of the substance or mixture:**
Product is not classified under the UN GHS
- **Hazard pictograms**
Not Applicable
- **Signal word**
Not Applicable
- **Hazard statements**
Not Applicable
- **Precautionary Statements**
P102: Keep out of reach of children.
P103: Read label before use.
P404: Store in a closed container.
- **Disposal Consideration**
P501 – Dispose of contents/container in accordance with the local regulation
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** No data available.
- **vPvB:** No data available.

3 Composition/information on ingredients

- **Chemical characterisation:**
- **Description:** RENOLIN CLP 220
- **CAS number:** N/A
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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4 First aid measures

· **Description of first aid measures**

· **General information**

Instantly remove any clothing soiled by the product

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· **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep the patient warm. Consult a doctor if symptoms persist. Supply fresh air; consult a doctor in case of symptoms.

· **After skin contact** Wash with soap and water. The product is not skin irritating

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing** Rinse mouth thoroughly. In case of persistent symptoms consult a doctor.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information is available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents**

CO₂, fire extinguishing powder, or fog-like water spraying. Extinguish larger fires with alcohol-resistant foam or spray water with suitable surfactant added

· **Special hazards arising from the substance or mixture** No further relevant information is available.

· **Advice for firefighters**

· **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

· **Personal precautions, protective equipment, and emergency procedures**

In case of spills, beware of slippery floors and surfaces.

· **Environmental precautions:** Do not allow to enter drainage system, surface, or groundwater.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

7 Handling and storage

· **Handling**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

A self-contained breathing apparatus and full protective clothing must be worn in case of fire.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Specific end use(s):** No further relevant information available.

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8 Exposure controls/personal protection

- **Control parameters**
- **Additional information:** The lists that were valid during the compilation were used as a basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.
- **Breathing equipment:**
In case of brief exposure or low pollution use a breathing filter apparatus. In case of intensive or longer exposure use a breathing apparatus that is independent of circulating air.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion, and degradation.
- **Material of gloves**
Material: Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier.
- **Penetration time of glove material**
Material: Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact gloves made of the following materials are suitable:** Nitrile rubber, NBR
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Liquid
 - Colour: Coloured
- **Smell:** Characteristic
- **Odour threshold:** Not applicable for mixtures.
- **pH-value:** Not applicable
- **Change in condition**
 - Melting point/freezing point: Not determined
 - Initial boiling point and boiling range: No data available.
- **Boiling Point:** Not determined
- **Flash Point:** 260°C (DIN ISO 2592)
- **Pour Point:** -24°C (DIN ISO 3016)
- **Inflammability (solid, gaseous)** Not applicable.
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Value not relevant for classification
- **Explosive properties:** The product is not explosive.
- **Critical values for explosion:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapour Pressure:** Not determined
- **Density at 15 °C:** 0.893 g/cm³ (DIN ISO 2909)
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
 - Water: Not miscible or difficult to mix
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity or Consistency-Class:**
 - dynamic: Not determined.
 - kinematic at 40 °C: 220 mm²/s (DIN EN ISO 3104)
 - kinematic at 100 °C: 18.9 mm²/s (DIN ISO 3104)

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- **Solvent content (VOC):**
- **Solids content:** 0.0 %
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** Stable under normal use conditions
- **Chemical stability**
- **Thermal decomposition/conditions to be avoided:**
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
- **Possibility of hazardous reactions** None under normal conditions.
- **Conditions to avoid** heat or contamination.
- **Incompatible materials:** No further relevant information is available.

Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Dermal**
Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** No irritant effect known.
- **Respiratory or skin sensitization** No sensitizing effect known.
- **Additional toxicological information:**
The product is not 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 information.
Harmful

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No data available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
German Water Endangering Class 1 (Self-assessment): slightly hazardous for water.
Do not allow to reach groundwater, water bodies, or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Smaller quantities have to be disposed in line with local legislation.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**
Dispose of small non-returnable packaging according to local regulations on the disposal of packaging.

14 Transport information

- **UN Number:** N/A
- **UN Proper Shipping name:** N/A
- **Hazardous Ingredients:** N/A
- **Transport hazard class:** N/A
- **Packing Group:** N/A
- **Environmental Hazards:** N/A
- **Transport in bulk according to Annex II of MARPOL and the IBC Code:** N/A

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15 Regulatory information

The product is not regulated

16 Other information

Note: Fuchs Lubricant products do not contain PCBs.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for any other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a doctor as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.