

Safety Data Sheet
in accordance with SANS

Printing date 12.10.2021

Revision: 12.10.2021

1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name: Renolin B46 HVI**
- **Product Code: F953**
- **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 11 565 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**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Hydraulic Fluid
- **Concentration range %** Void
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult 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 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 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 available.

(Contd. on page 2)

Safety Data Sheet
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Printing date 12.10.2021

Revision: 12.10.2021

Trade name: Renolin B46 HVI

(Contd. of page 1)

- **Advice for firefighters**
- **Protective equipment:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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 ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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**
Prevent formation of aerosols. 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. Provide adequate ventilation.
- **Information about protection against explosions and fires:**
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:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Additional information:** The lists that were valid during the compilation were used as 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:** Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.
- **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 the 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 break through 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.

(Contd. on page 3)

Safety Data Sheet
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Revision: 12.10.2021

Trade name: Renolin B46 HVI

(Contd. of page 2)

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: Liquid
 - Colour: Light yellow
- **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.
- **Flash point:** 224 °C (EN ISO 2592)
- **Inflammability (solid, gaseous)** Not applicable.
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Value not relevant for classification
- **Explosive properties:** Product is not explosive.
- **Critical values for explosion:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C** 0.867 g/cm³ (DIN 51 757)
- **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: 46 mm²/s (DIN 51 562)
- **Solvent content (VOC):**
 - Organic solvents: 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** Avoid heat or contamination.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

(Contd. on page 4)

Safety Data Sheet
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Revision: 12.10.2021

Trade name: Renolin B46 HVI

(Contd. of page 3)

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 sensitisation** 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.

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 ground water, 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 packagings:**
- **Recommendation:**
Dispose of small non returnable packagings according to local regulations on the disposal of packagings.

14 Transport information

- **ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **ADR, IMDG, IATA** Void
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** Void

(Contd. on page 5)

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(Contd. of page 4)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **German Water Hazard Class:** Water Endangering Class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).