



## Safety Data Sheet

### Gearbox Oil 80W-90

Version 1.02

Revision Date 26.07.2010

#### 1. Identification of the substance/mixture and of the company/undertaking

**Trade name** Gearbox Oil 80W-90

**Synonyms** Gearbox Oil 80W-90, Gear Oil

**Company** Sasol Oil  
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Randburg, 2125  
Republic of South Africa

**Information (Product safety)** Telephone: +27 11 889 7600 / 0860 72765 Fax: +27 11 889 7979

**Emergency telephone** E-mail address [msds.info@sasol.com](mailto:msds.info@sasol.com)

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Asia Pacific	+65 3158 1074
China	+86 10 5100 3039
South Africa	+27 (0)17 610 4444
Australia	+61 2 9032 0460

#### 2. Hazards identification

**Identification of the risks**  
R45 May cause cancer.

#### 3. Composition/information on ingredients

Preparation on the base:

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified

Contents: 95.10 %WW

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

Symbol(s) T

R-phrases) -R45

For the full text of the R-phrases mentioned in this Section, see Section 16.

#### 4. First aid measures

**Inhalation**

Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration.



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<b>Skin contact</b>	<i>If symptoms persist, call a physician. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. For thermal burns, cool affected areas as quickly as possible by immersing in water. Consult a physician.</i>
<b>Eye contact</b>	<i>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. If burns occur, treat as thermal burns.</i>
<b>Ingestion</b>	<i>If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.</i>

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	<i>Water spray, Foam, Dry powder, Carbon dioxide (CO<sub>2</sub>)</i>
<b>Specific hazards during fire fighting</b>	<i>Do not allow run-off from fire fighting to enter drains or water courses.</i>
<b>Special protective equipment for fire-fighters</b>	<i>In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.</i>
<b>Further information</b>	<i>Cool containers / tanks with water spray. In the event of fire and/or explosion do not breathe fumes. Exposure to decomposition products may be a hazard to health.</i>

#### 6. Accidental release measures

<b>Personal precautions</b>	<i>Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.</i>
<b>Environmental precautions</b>	<i>Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.</i>
<b>Methods for cleaning up</b>	<i>Soak up with inert absorbent material and dispose of as hazardous waste.</i>
<b>Additional advice</b>	<i>Never return spills in original containers for re-use.</i>

#### 7. Handling and storage

<b>Handling</b>	
<b>Safe handling advice</b>	<i>Ensure adequate ventilation. Do not breathe vapours or spray mist. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has</i>



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**Advice on protection against fire and explosion** occurred. Wear personal protective equipment.  
Keep away from open flames, hot surfaces and sources of ignition.

#### Storage

**Requirements for storage areas and containers** Keep containers tightly closed in a cool, well-ventilated place.

## 8. Exposure controls/personal protection

### Components with workplace control parameters

#### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

#### EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Gloves suitable for permanent contact:  
Material: butyl-rubber  
Break through time: 4 h  
Material thickness: 0.5 mm  
unsuitable gloves  
Material: Polyvinylchloride, leather, nitrile rubber/nitrile latex, natural rubber/natural latex

**Eye protection** Safety glasses with side-shields

**Skin and body protection** Safety shoes, Lightweight protective clothing, Use protective skin cream before handling the product.

**Hygiene measures** Wash hands before breaks and immediately after handling the product.

**Protective measures** Wear suitable protective equipment.

## 9. Physical and chemical properties

**Form** liquid



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<i>state of matter</i>	<i>liquid; at 20 °C; 1,013 hPa</i>
<i>Colour</i>	<i>light brown</i>
<i>pourpoint</i>	<i>-27 °C</i>
<i>Flash point</i>	<i>242 °C</i>
<i>Autoignition temperature</i>	<i>&gt; 320 °C</i>
<i>Density</i>	<i>0.89 g/cm<sup>3</sup>; 20 °C</i>
<i>Water solubility</i>	<i>emulsifiable</i>
<i>Viscosity, kinematic</i>	<i>145 mm<sup>2</sup>/s; 40 °C</i>

#### 10. Stability and reactivity

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<i>Materials to avoid</i>	<i>Oxidizing agents</i>
<i>Hazardous decomposition products</i>	<i>Carbon oxides Hydrocarbons</i>

#### 11. Toxicological information

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<i>Further information</i>	<i>No data available</i>
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#### 12. Ecological information

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<i>Ecotoxicity effects</i>	
<i>Further information</i>	<i>No data available</i>

#### 13. Disposal considerations

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<i>Product</i>	<i>Dispose of in accordance with local regulations.</i>
<i>Contaminated packaging</i>	<i>Store containers and offer for recycling of material when in accordance with the local regulations.</i>

#### 14. Transport information

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<i>Further information</i>	<i>Not classified as dangerous in the meaning of transport regulations.</i>
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#### 15. Regulatory information

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*Labelling*



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<b>Regulatory base</b>	1999/45/EC
<b>Symbol(s)</b>	T: Toxic
<b>R-phrases(s)</b>	R45: May cause cancer.
<b>S-phrases(s)</b>	S53: Avoid exposure - obtain special instructions before use. S35: This material and its container must be disposed of in a safe way. S36/37: Wear suitable protective clothing and gloves.
<b>Special labelling of certain mixtures</b>	Restricted to professional users.
<b>Hazardous components which must be listed on the label</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified

## 16. Other information

Full text of R-phrases referred to under sections 2 and 3

R45 May cause cancer.

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The MSDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product.



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*Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.*

*The MSDS was created by: B.SHAMASE*

*The MSDS was approved by: Samson Mkwanazi*