



# Safety Data Sheet

## Differential Oil Limited Slip 80W-90

Version 1.01

Revision Date 07.06.2023

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

**Product identifier**

**Trade name**

Differential Oil Limited Slip 80W-90

**Synonyms**

Limited Slip Differential Oil

**Relevant identified uses of the substance or mixture and uses advised against**

**Use**

Lubricant or lubricant additive

**Manufacturer or supplier's details**

**Company**

Sasol Oil Pty (Ltd)

**Address**

Sasol Place, 50 Katherine Street  
Sandton  
2090  
South Africa  
+27860335444

**Telephone**

**E-mail address**

sasolchem.info.sa@sasol.com

**Emergency telephone number**

+44 (0)1235 239 670 (Europe, Israel, Africa, Americas)

+44(0)1235 239 671 (Middle East, Arabic African countries)

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

+27 (0)17 610 4444 (South Africa)

+61 (2) 8014 4558 (Australia)

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### SECTION 2. Hazards identification

#### Classification of the substance or mixture

##### REGULATION (EC) No 1272/2008

##### Classification

Skin sensitisation	Category 1
Specific target organ toxicity - repeated exposure	Category 2
Hazardous to the aquatic environment - chronic hazard	Category 2

#### Label elements

##### Pictogram



##### Signal word

Warning

##### Hazard statements

H317: May cause an allergic skin reaction.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.

#### Precautionary statements

##### Prevention

P261: Avoid breathing mist or vapours.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves.  
P273: Avoid release to the environment.

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<b>Response</b>	<p>P302 + P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362 + P364: Take off contaminated clothing and wash it before reuse.</p> <p>P314: Get medical advice/ attention if you feel unwell.</p> <p>P391: Collect spillage.</p>
<b>Storage</b>	No special storage conditions required.
<b>Disposal</b>	P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.
<b>Other hazards</b>	No data available

### SECTION 3. Composition/information on ingredients

#### Mixture

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

Contents: 66.60 %W/W

CAS-No. 64742-54-7

Index-No. 649-467-00-8

EC-No. 265-157-1

#### Mineral Oil

Contents: >= 20.35 - <= 20.50 %W/W

CAS-No.

Index-No.

EC-No.

#### Phosphoric acid esters/amine salt

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**Contents:**  $\geq 1.30$  -  $\leq 1.95$  %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

#### Alkenyl Amine

**Contents:**  $\geq 0.33$  -  $\leq 0.65$  %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

#### Substituted triazole

**Contents:**  $\geq 0.07$  -  $\leq 0.33$  %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

#### Alkylamine salt of alkylphosphoric acid

**Contents:**  $\geq 1.00$  -  $\leq 1.50$  %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4. First aid measures

### Description of necessary first-aid measures

#### Inhalation

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

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	attention/advice if you feel unwell.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

### Most important symptoms/effects, acute and delayed

Refer to SECTION 11

## SECTION 5. Firefighting measures

<b>Suitable extinguishing media</b>	Water spray, Foam, CO2, Dry powder.
<b>Special hazards arising from the substance or mixture</b>	Under conditions of continuous exposure to heat, may burn. Under extreme conditions (e.g. confinement) could lead to detonation. Nitrogen oxides (NOx) and carbon oxides are produced during combustion.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

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### SECTION 6. Accidental release measures

<b>Personal precautions</b>	Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Disposal and clean up may only be done by authorised personnel.
<b>Reference to other sections</b>	Refer to Section 8 and 13

### SECTION 7. Handling and storage

<b>Safe handling advice</b>	Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Ensure adequate ventilation. Keep away from flames and sparks.
<b>Advice on protection against fire and explosion</b>	No data available
<b>Requirements for storage areas and containers</b>	Keep away from heat. Do not store near combustible materials.
<b>Advice on common storage</b>	No data available

### SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

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### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

#### 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

**Eye protection** Safety goggles

**Skin and body protection** lightweight protective clothing

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

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Form** Liquid

**State of matter** Liquid; at 20 ° C; 1,013 hPa

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Colour	Dark brown
Odour	Wood resin
Odour Threshold	No data available
pH	No data available
Pour point	-25 ° C; ASTM D97
Flash point	230 ° C; ASTM D92
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	0.896 g/cm <sup>3</sup>
Water solubility	Insoluble, Immiscible
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	175 mm <sup>2</sup> /s

#### SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
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<b>Chemical stability</b>	No data available
<b>Possibility of hazardous reactions</b>	Strong acids and oxidizing agents
<b>Conditions to avoid</b>	No data available
<b>Materials to avoid</b>	Combustible material.
<b>Hazardous decomposition products</b>	Stable under normal conditions.

## SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rat: 5,000 mg/kg;
<b>Acute inhalation toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;
<b>Acute dermal toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rabbit: 2,000 - 5,000 mg/kg;
<b>Skin irritation</b>	No data available
<b>Eye irritation</b>	No data available
<b>Sensitisation</b>	May cause an allergic skin reaction.
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:

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	Oral Rat; Lowest observed adverse effect level 125 mg/kg
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Rat; NOAEL Early embryonic development 30 - 2,000 mg/kg
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Mouse; NOAEL Early embryonic development 150 mg/kg Lowest observed adverse effect level 100 mg/kg
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Dermal Rabbit; NOAEL Early embryonic development 1,000 mg/kg
<b>Carcinogenicity</b>	Mineral oils are severely solvent refined or hydrotreated.

## SECTION 12. Ecological information

<b>Toxicity to fish</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: 4 d; LL50; 100 mg/l;
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available
<b>Toxicity to algae</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available



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**Toxicity to bacteria** Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:  
No data available

**Other adverse effects** Hazardous to the aquatic environment - chronic hazard  
Information given is based on data on the components and the ecotoxicology of similar products.

### SECTION 13. Disposal considerations

**Product** Dispose of in accordance with local regulations.

### SECTION 14. Transport information

#### ADR

**UN number:** 3082  
**Class:** 9  
**Packaging group:** III; M6;  
**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### RID

**UN number:** 3082  
**Class:** 9  
**Packaging group:** III; M6



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**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.

**ADNR**

**UN number:** 3082

**Class:** 9

**Packaging group:** III; M6

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.

## SECTION 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Canadian Domestic Substances List (DSL)

#### Components Not listed

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### Australian Inv. of Chem. Substances (AICS)

#### Components Not listed

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#### New Zealand Inventory of Chemicals (NZIoC)

##### Components Not listed

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### Jap. Inv. of Exist. & New Chemicals (ENCS)

##### Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic  
Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### Japan. Industrial Safety & Health Law (ISHL)

##### Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic  
Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### Korea. Existing Chemicals Inventory (KECI)

##### Components Not listed

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### Philippines Inventory of Chemicals and

##### Components Not listed



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#### Chemical Substances (PICCS)

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### China Inv. Existing Chemical Substances (IECSC)

##### Components Not listed

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### Taiwan. Chemical Substances Inventory (TCSI)

##### Components Not listed

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

#### USA TSCA Inventory

##### Components Not listed

Highly refined mineral oils and additives  
Amine neutralized phosphoric acid ester  
Mineral oil  
Alkenyl Amine  
Substituted thiadiazone

## SECTION 16. Other information

#### Full text of H-Statements.

This substance contains no components with H-statement.



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All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this 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 this 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 with respect to 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 this product.

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