



# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

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

**Product identifier**

**Trade name**

Differential Oil Limited Slip 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)

# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

### 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

P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves.

# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

	P260: Do not breathe mist or vapours.
	P273: Avoid release to the environment.
<b>Response</b>	<p>P302 + P352 + P312: IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.</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>	P501Dispose 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:** >= 50.00 %W/W

**CAS-No.** 64742-54-7

**Index-No.** 649-467-00-8

**EC-No.** 265-157-1

**Highly refined mineral oils and additives**

**Contents:** >= 38.00 %W/W

## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

CAS-No.

Index-No.

EC-No.

#### Amine neutralized phosphoric acid ester

Contents:  $\geq 1.30$  -  $\leq 2.00$  %W/W

CAS-No.

Index-No.

EC-No.

#### Alkenyl Amine

Contents:  $\geq 0.30$  -  $\leq 0.70$  %W/W

CAS-No.

Index-No.

EC-No.

#### Substituted thiadiazole

Contents:  $\geq 0.10$  -  $\leq 0.30$  %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.

#### Distillates (petroleum), hydrotreated light; Kerosine - unspecified

Contents:  $\geq 0.40$  -  $\leq 0.45$  %W/W

CAS-No. 64742-47-8

Index-No. 649-422-00-2

EC-No. 265-149-8

Hazard statements *H226 H304*

## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

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

<b>Inhalation</b>	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 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.
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# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

### Special hazards arising from the substance or mixture

Under conditions of continuous exposure to heat, may burn.  
Under extreme conditions (e.g. confinement) could lead to detonation. Nitrogen oxides (NO<sub>x</sub>) and carbon oxides are produced during combustion.

### Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.

## SECTION 6. Accidental release measures

### Personal precautions

Use personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Try to prevent the material from entering drains or water courses.

### Methods for cleaning up

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.

### Reference to other sections

Refer to Section 8 and 13

## SECTION 7. Handling and storage

### Safe handling advice

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.

### Advice on protection

No data available

# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

against fire and explosion

**Requirements for storage areas and containers** Keep away from heat. Do not store near combustible materials.

**Advice on common storage** No data available

### SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

#### 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

## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

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
Colour	Dark brown
Odour	Wood resin
Odour Threshold	No data available
pH	No data available
Pour point	-18 ° 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> ; ASTM D4052
Water solubility	Immiscible, Insoluble



## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	175 mm <sup>2</sup> /s; ASTM D 445

#### SECTION 10. Stability and reactivity

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

#### SECTION 11. Toxicological information

Acute oral toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rat: 5,000 mg/kg;
Acute inhalation toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LC50 Rat: 4 h; 2.18 - 5.53 mg/l;

## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

<b>Acute dermal toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rabbit: 2,000 - 5,000 mg/kg;
<b>Sensitisation</b>	Causes sensitisation.
<b>Repeated dose toxicity</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: 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., Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects.

## SECTION 12. Ecological information

<b>Toxicity to fish</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil -
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# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

	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
<b>Toxicity to bacteria</b>	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: No data available

### SECTION 13. Disposal considerations

<b>Product</b>	Dispose of in accordance with local regulations.
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### SECTION 14. Transport information

<b>ADR</b>	
<b>UN number:</b>	3082
<b>Class:</b>	9
<b>Packaging group:</b>	III; M6;
<b>Proper shipping name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

#### RID

**UN number:** 3082

**Class:** 9

**Packaging group:** III; M6

**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

Mineral Oil

Phosphoric acid esters/amine salt

Alkenyl Amine

Substituted thiadiazole

Alkylamine salt of alkylphosphoric acid



## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

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

##### Components Not listed

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

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

##### Components Not listed

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

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

##### Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic  
Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

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

##### Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic  
Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
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Alkylamine salt of alkylphosphoric acid

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

##### Components Not listed



## Safety Data Sheet

### Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

#### Philippines Inventory of Chemicals and Chemical Substances (PICCS)

##### Components Not listed

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

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

##### Components Not listed

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

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

##### Components Not listed

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole  
Alkylamine salt of alkylphosphoric acid

#### USA TSCA Inventory

##### Components Not listed

Mineral Oil  
Phosphoric acid esters/amine salt  
Alkenyl Amine  
Substituted thiadiazole



# Safety Data Sheet

## Differential Oil Limited Slip 90

Version 1.01

Revision Date 12.06.2023

Alkylamine salt of alkylphosphoric acid

### SECTION 16. Other information

#### Full text of H-Statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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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