



# Safety Data Sheet

## Hydraulic Oil VHVI 68

Version 1.01

Revision Date 10.10.2023

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

**Product identifier**

**Trade name** Hydraulic Oil VHVI 68

**Synonyms** Hydraulic 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

**Telephone** +27860335444

**E-mail address** sasolchem.info.sa@sasol.com

**Emergency telephone number** South Africa: 0800 11 28 90; International: +27 17 610 4444

### SECTION 2. Hazards identification

**Classification of the substance or mixture**

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

**Classification**

Skin sensitisation

Category 1

**Label elements**

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### Pictogram



### Signal word

Warning

### Hazard statements

H317: May cause an allergic skin reaction.

### 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.

#### Response

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P333 + P317: If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

#### Storage

No special storage conditions are required.

#### Disposal

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

#### Other hazards

No data available.

## SECTION 3. Composition/information on ingredients

### Mixture

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

**Contents:** <= 83.75 %W/W

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

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

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

**Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified**

**Contents:** <= 15.00 %W/W

**CAS-No.** 64742-55-8

**Index-No.** 649-468-00-3

**EC-No.** 265-158-7

**Acrylic copolymer**

**Contents:** >= 9.20 - <= 15.40 %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

**methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate**

**Contents:** <= 0.15 %W/W

**CAS-No.** 80-62-6

**Index-No.** 607-035-00-6

**EC-No.** 201-297-1

**Hazard statements** *H225 H315 H317 H335*

**Zinc dialkyl dithiophosphate**

**Contents:** >= 0.26 - <= 0.51 %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

**Hazard statements** *H315 H318 H319 H411*

**Alkyl Phenol (isomer)**

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**Contents:**  $\geq 0.09$  -  $\leq 0.17$  %W/W

**CAS-No.**

**Index-No.**

**EC-No.**

**Hazard statements** *H315 H400 H410*

#### Mineral Oil

**Contents:**  $\geq 2.40$  -  $\leq 6.33$  %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 attention/advice if you feel unwell.

#### Skin contact

Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.

#### Eye contact

Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

#### Ingestion

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

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**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.

### 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.



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**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 against fire and explosion** No data available.

**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

Components	Type	Control parameters	Update	Basis
METHYL	TWA	410 mg/m3	1995	South Africa RELs
METHACRYLATE	TWA	100 ppm	1995	South Africa RELs
METHYL	STEL	510 mg/m3	1995	South Africa RELs
METHACRYLATE	STEL	125 ppm	1995	South Africa RELs

**Exposure controls**

**Engineering measures**

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Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	<p>Gloves suitable for permanent contact.:</p> <p>Material: nitrile rubber/nitrile latex</p> <p>Break through time: &gt; 8 h</p> <p>Material thickness: 0.35 mm</p> <p>Unsuitable gloves</p> <p>Material: natural rubber/natural latex, polychloroprene, butyl-rubber, Polyvinylchloride</p>
<b>Eye protection</b>	Safety goggles
<b>Skin and body protection</b>	lightweight protective clothing
<b>Hygiene measures</b>	Wash hands before breaks and immediately after handling the product.

## SECTION 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Form</b>	Liquid
<b>State of matter</b>	Liquid; at 20 ° C; 1,013 hPa
<b>Colour</b>	Clear
<b>Odour</b>	Petroleum
<b>Odour Threshold</b>	No data available.

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<b>pH</b>	No data available.
<b>Pour point</b>	-18 ° C; ASTM D97
<b>Flash point</b>	220 ° C; ASTM D92
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Lower explosion limit</b>	No data available.
<b>Upper explosion limit</b>	No data available.
<b>Vapour pressure</b>	No data available.
<b>Relative vapour density</b>	No data available.
<b>Density</b>	0.88 g/cm3
<b>Water solubility</b>	Insoluble, Immiscible
<b>Partition coefficient: n-octanol/water</b>	No data available.
<b>Viscosity, kinematic</b>	70 mm2/s; ASTM D 445

### SECTION 10. Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	No data available.
<b>Possibility of hazardous reactions</b>	Strong acids and oxidizing agents



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<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>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

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	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.
<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

#### Further Information

Not classified as dangerous in the meaning of transport regulations.

### SECTION 15. Regulatory information

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

Canada. DSL - Domestic Substances List,  
part of CEPA

#### Components Not listed

Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

Australia. AICS - Australian Inventory of  
Chemical Substances

#### Components Not listed

Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

New Zealand Inventory of Chemical  
Substances

#### Components Not listed

Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

Japan. ENCS - Existing and New Chemical  
Substances Inventory

#### Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic  
Acrylic copolymer  
Distillates (petroleum), hydrotreated light paraffinic

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### Japan. Industrial Safety and Health Law - Inventory

Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

#### Components Not listed

Distillates (petroleum), hydrotreated heavy paraffinic  
Acrylic copolymer  
Distillates (petroleum), hydrotreated light paraffinic  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

### Korea. KECI - Korean Existing Chemicals Inventory

Components Not listed  
Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

### Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances

Components Not listed  
Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

### China. IECSC - Inventory of Existing Chemical Substances in China

Components Not listed  
Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

### Taiwan. Chemical Substances Inventory (TCSI)

Components Not listed  
Acrylic copolymer

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Mineral Oil  
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#### USA TSCA Inventory

#### Components Not listed

Acrylic copolymer  
Mineral Oil  
Zinc dialkyl dithiophosphate  
Alkyl Phenol (isomer)

## SECTION 16. Other information

#### Full text of H-Statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

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



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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.

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