



Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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)

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Sandton
2090
South Africa

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Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification

Skin sensitisation

Category 1

Label elements

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 + P313: If skin irritation or rash occurs: Get medical advice/attention.



Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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

Storage	No special storage conditions 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

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

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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 H402*

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)

Contents: >= 0.09 - <= 0.17 %W/W

CAS-No.

Index-No.

EC-No.

Hazard statements *H315 H400 H410*

Mineral Oil

Contents: >= 2.40 - <= 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

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media

Water spray, Foam, CO2, Dry powder.

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 (NOx) and carbon oxides are produced during combustion.

Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit.



Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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 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

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

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

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

Colour	Clear
Odour	Petroleum
Odour Threshold	No data available
pH	No data available
Pour point	-18 ° C; ASTM D97
Flash point	220 ° 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	0.88 g/cm ³
Water solubility	Insoluble, Immiscible
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	70 mm ² /s; ASTM D 445

SECTION 10. Stability and reactivity

Reactivity Stable under normal conditions.

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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;
Acute dermal toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: LD50 Rabbit: 2,000 - 5,000 mg/kg;
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified: Oral Rat: Lowest observed adverse effect level 125 mg/kg
Repeated dose toxicity	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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

SECTION 12. Ecological information

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



Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

SECTION 13. Disposal considerations

Product Dispose of in accordance with local regulations.

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)



Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

Japan. ENCS - Existing and New Chemical Substances Inventory

Components Not listed

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

Japan. Industrial Safety and Health Law - Inventory

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

Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

Taiwan. Chemical Substances Inventory (TCSI)

Zinc dialkyl dithiophosphate
Alkyl Phenol (isomer)

Components Not listed

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

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.
- H402 Harmful to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.



Safety Data Sheet

Hydraulic Oil VHVI 68

Version 1.00

Revision Date 23.10.2018

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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