

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **HYDRAULIC FLUID 75**

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

No further relevant information available.

Application of the substance / the mixture

Hydraulic fluid

Only for proper handling.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MOTOREX AG

Bern–Zürich–Strasse 31, Postfach

CH–4901 Langenthal

Tel. +41 (0)62 919 75 75

www.motorex.com

Further information obtainable from: msds@motorex.com

1.4 Emergency telephone number:

In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS08

Signal word *Danger*

Hazard-determining components of labelling:

Lubricating oils, C15-30, hydrotreated neutral oil-based

Distillates (petroleum), hydrotreated light paraffinic

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 72623-86-0 EINECS: 276-737-9 Index number: 649-482-00-X Reg.nr.: 01-2119474878-16	Lubricating oils, C15-30, hydrotreated neutral oil-based Asp. Tox. 1, H304	50-70%
CAS: 64742-55-8 EINECS: 265-158-7 Index number: 649-468-00-3 Reg.nr.: 01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	≥25-≤50%

Additional information:

Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Remove residues with soap and water.

Remove contaminated clothing immediately.

After eye contact:

Rinse opened eye for several minutes under running water.

Consult a physician if irritation develops.

After swallowing:

Do not induce vomiting. Do not take in resorption stimulating agents.

Consult a physician who will decide on need and method of emptying the stomach.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: DO NOT USE WATER JET

5.2 Special hazards arising from the substance or mixture

In case of fire carbon, sulphur and nitrogen oxides can be formed.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 2)

6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:** Do not heat above flash point.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

The recommended storage temperature is (deg.C): ≤50°C

Store containers closed and protect against rain, dust, heat and other atmospheric influences.

Keep container tightly sealed.

· **Storage class:** 10

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs**72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based**

Inhalative	DNEL / Workers / Local Effects / Long-term	5.4 mg/m ³ /8h (worker)
	DNEL/general population/Local effects/Long-term	1.2 mg/m ³ /24h (consumer)

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Dermal	DNEL / Workers / Local Effects / Long-term	1 mg/kg/8h (worker)
Inhalative	DNEL	2.7-5.4 mg/m ³ /8h (worker)
	DNEL	1.2 mg/m ³ /24h (consumer)

· PNECs**64742-55-8 Distillates (petroleum), hydrotreated light paraffinic**

Oral	PNEC / Predators / Secondary poisoning	9.33 mg/kg food (secondary poisoning (predators))
------	--	---

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

(Contd. on page 4)

Trade name: HYDRAULIC FLUID 75

(Contd. of page 3)

· Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Protective gloves to EN374, resistant to oil in use. Standard EN 374 Level 3 control G1

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the mixture of chemicals mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 374 Part 3: Level 1).

· Eye/face protection Goggles recommended during refilling

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties
· 9.1 Information on basic physical and chemical properties
· General Information
· Physical state

Fluid

· Colour:

Yellowish

· Odour:

weak

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

Undetermined.

· Flammability

Not applicable.

· Lower and upper explosion limit
· Lower:

0.6 Vol %

· Upper:

6.5 Vol %

· Flash point:

>170 °C

· Decomposition temperature:

Not determined.

· pH

Not determined.

· Viscosity:
· Kinematic viscosity
15 mm²/s @ 40 °C
· Consistency
· Dynamic:

Not determined.

· Solubility
· water:

Not miscible or difficult to mix.

· Partition coefficient n-octanol/water (log value)

Not determined.

· Heat Capacity
· Vapour pressure:

Not determined.

· Density and/or relative density
· Density at 20 °C:
0.845 g/cm³ (ASTM D 4052)
· Relative density

Not determined.

· Vapour density

Not determined.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 4)

9.2 Other information**Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Explosive properties:** Product does not present an explosion hazard.**Change in condition****Evaporation rate** Not determined.**Information with regard to physical hazard classes****Explosives** Void**Flammable gases** Void**Aerosols** Void**Oxidising gases** Void**Gases under pressure** Void**Flammable liquids** Void**Flammable solids** Void**Self-reactive substances and mixtures** Void**Pyrophoric liquids** Void**Pyrophoric solids** Void**Self-heating substances and mixtures** Void**Substances and mixtures, which emit flammable gases in contact with water** Void**Oxidising liquids** Void**Oxidising solids** Void**Organic peroxides** Void**Corrosive to metals** Void**Desensitised explosives** Void**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based**

Oral	LD50	5,000 mg/kg (rat)
	LOAEL	125 mg/kg/24h (rat)
Dermal	LD50	2,000-5,000 mg/kg (rabbit)
	NOAEL	150 mg/kg/24h (mouse) 30-2,000 mg/kg/24h (rat)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 5)

Inhalative	LOAEL	1,000 mg/kg/24h (rabbit)
	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m3 (rat)
	NOAEL	980 mg/m3 (rat)
64742-55-8 Distillates (petroleum), hydrotreated light paraffinic		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LOAEL	125 mg/kg/24h (rat)
	LD50	2,000-5,000 mg/kg (rabbit)
	NOAEL	150 mg/kg/24h (mouse)
		30-2,000 mg/kg/24h (rat)
Inhalative		1,000 mg/kg/24h (rabbit)
	LOAEL	100 mg/kg/24h (mouse)
	LC50 / 4h	2.18-5.53 mg/l (rat)
	NOEL	220 mg/m3 (rat)
	NOAEL	980 mg/m3 (rat)

· **Aspiration hazard** May be fatal if swallowed and enters airways.

11.2 Information on other hazards

· Endocrine disrupting properties

96-76-4	2,4-di-tert-butylphenol	List II
121158-58-5	phenol, dodecyl-, branched	List I

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based

LL50	10,000 mg/l/96h (aquatic invertebrates)
	100 mg/l/96h (fish)
LL50	10,000 mg/l/72h (aquatic invertebrates)
LL50	10,000 mg/l/48h (aquatic invertebrates)
LL50	10,000 mg/l/24h (aquatic invertebrates)
EL50	10,000 mg/l/48h (aquatic invertebrates)

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

LL50	10,000 mg/l/96h (aquatic invertebrates)
	100 mg/l/96h (fish)
	>100 mg/l/96h (Pimephales promelas) (OECD 203)
LL50	10,000 mg/l/72h (aquatic invertebrates)
LL50	10,000 mg/l/48h (aquatic invertebrates)
EL50	10,000 mg/l/48h (aquatic invertebrates)
NOEL	>100 mg/l/72h (Pseudokirchnerella subcapitata) (OECD 201)

· **12.2 Persistence and degradability** No further relevant information available.

· 12.3 Bioaccumulative potential

72623-86-0 Lubricating oils, C15-30, hydrotreated neutral oil-based

Partition coefficient	>6 [---] (log Kow) (Bioaccumulation)
-----------------------	--------------------------------------

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 6)

64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Partition coefficient >3.5 [---] (log Kow) (Bioaccumulation)

- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Contact waste processors for recycling information.
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR/RID/ADN, ADN, IMDG, IATA | Not classified as hazardous for transport |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR/RID/ADN, ADN, IMDG, IATA | Not classified as hazardous for transport |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR/RID/ADN, ADN, IMDG, IATA · Class | Not classified as hazardous for transport |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR/RID/ADN, IMDG, IATA | Not classified as hazardous for transport |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Not classified as hazardous for transport |

GB

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 7)

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· Regulated explosives precursors
None of the ingredients is listed.

· Regulated poisons
None of the ingredients is listed.

· Reportable explosives precursors
None of the ingredients is listed.

· Reportable poisons
None of the ingredients is listed.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008. No special training instructions to ensure protection of human health and environment are required.*
- **purity requirement**
 - **Relevant phrases**
H304 May be fatal if swallowed and enters airways.
 - **Department issuing SDS:** Abteilung Produktsicherheit
 - **Abbreviations and acronyms:**
Asp. Tox. 1: Aspiration hazard – Category 1
 - *** Data compared to the previous version altered.**

Annex: Exposure scenario 1

- **Short title of the exposure scenario**
Industrial use of lubricants and greases in vehicles or machinery
- **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category**
PC16 Heat transfer fluids
PC17 Hydraulic fluids
PC24 Lubricants, greases, release products
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
- **Environmental release category**
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 8)

- ERC7 Use of functional fluid at industrial site
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
 - **Conditions of use**
 - **Duration and frequency** 5 workdays/week.
 - **Physical parameters**
 - **Physical state** Fluid
 - **Concentration of the substance in the mixture** The substance is main component.
 - **Other operational conditions**
 - **Other operational conditions affecting environmental exposure** No special measures required.
 - **Other operational conditions affecting consumer exposure** Not required.
 - **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
 - **Risk management measures**
 - **Worker protection**
 - **Organisational protective measures** No special measures required.
 - **Technical protective measures** No special measures required.
 - **Personal protective measures** No special measures required.
 - **Measures for consumer protection** No special measures required.
 - **Environmental protection measures**
 - **Air** No special measures required.
 - **Water** No special measures required.
 - **Disposal measures**
Disposal must be made according to official regulations.
Ensure that waste is collected and contained.
 - **Disposal procedures** Dispose of product residues with household waste.
 - **Waste type** Partially emptied and uncleaned packaging
 - **Exposure estimation**
 - **Consumer** Not relevant for this Exposure Scenario.
 - **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 2

- **Short title of the exposure scenario**
Professional use of lubricants and greases in vehicles or machines
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category**
PC16 Heat transfer fluids
PC17 Hydraulic fluids
PC24 Lubricants, greases, release products
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC20 Use of functional fluids in small devices
- **Environmental release category**
ERC9a Widespread use of functional fluid (indoor)
ERC9b Widespread use of functional fluid (outdoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 9)

- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures**
Disposal must be made according to official regulations.
Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 3

- **Short title of the exposure scenario** Private use of lubricants and greases in vehicles or machines
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Product category** PC24 Lubricants, greases, release products
- **Environmental release category**
ERC9a Widespread use of functional fluid (indoor)
ERC9b Widespread use of functional fluid (outdoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures**
Disposal must be made according to official regulations.

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 15.01.2024

Version number 2.3 (replaces version 2.2)

Revision: 15.01.2024

Trade name: HYDRAULIC FLUID 75

(Contd. of page 10)

- Ensure that waste is collected and contained.*
- **Disposal procedures** *Dispose of product residues with household waste.*
- **Waste type** *Partially emptied and uncleaned packaging*
- **Exposure estimation**
- **Consumer** *Not relevant for this Exposure Scenario.*
- **Guidance for downstream users** *No further relevant information available.*

—GB—