

Hydraulic oil (container of 2.5 l) 413 - 14061 Ridgid

Highquality zinc-free EP hydraulic oil

Material safety data sheet

According 1907/2006/EG, Article 31

Version: 29.06.2017, replaces 05.03.2014

1 Identification of the substance or mixture and of the company

1.1. Productidentification Tradename: Hydraulic oil 413 - 14061 Ridgid

1.2. Relevant geïdentificeerd gebruik van de stof of het mengsel and use advised against

Area of use

413-14061 Professional use: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC17 Hydraulic fluids

Process category

PROC8a Transfer of substance or preparation (charging / discharging) from / to vessels / large containers in non-specialized facilities

PROC8b Transfer of substance or preparation (charging / discharging) from / to vessels / large containers in specialized facilities

PROC20 Heat and pressure transport liquids in dispersant but closed systems for professional use

Environmental release category

ERC9a Wide dispersive indoor use of substances in closed systems

ERC9b Wide dispersive outdoor use of substances in closed systems

Application of the substance / the preparation: Hydraulic oil

1.3. Details of the supplier of the safety data sheet

Supplier:

Mark Climate Technology B.V.

Beneden verlaat 87-89

9645 BM VEENDAM

T 0598-656600

F 0598-624584

E info@mark.nl

1.4. Emergency telephone number

Emergency telephone number NVIC: +31 (0)30 274 88 88

2 Hazards identification

2.1. Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548 / EEC or Directive 1999/45 / EC:

Expires.

Special hazard description for people and the environment:

The product should not be marked based on the calculation process of the "General Classification Directive for Preparations in the EC ", latest edition.

Classification system:

The Classification corresponds to the current EC lists, but has been supplemented with data from the professional literature and of the company.

2.2. Label elements

Labeling according to Regulation (EC) No 1272/2008: Void
 Hazard pictograms: Void
 Signal word: expired
 Hazard statements: Void
 Additional information: EUH210 Safety data sheet available on request.

2.3. Other dangers

Results of PBT and vPvB assessment

PBT: Not applicable.
 vPvB: Not usable.

3 Composition and information on ingredients

3.1. Fabrics

Not applicable

3.2. Mixture

Hazardous ingredients:		
CAS: 64742-65-0 EINECS: 265-169-7 Reg.nr .: 01-2119471299-27	distillates (petroleum), solvent-dewaxed paraffinic Asp. Tox. 1, H304	50-100%
CAS: 71735-74-5 EINECS: 275-965-6 Reg.nr .: 01-2119976328-24	ethyl 3 - [[bis (1-methylethoxy) phosphinothioyl] thio] propionate N R51 / 53 Aquatic Chronic 2, H411	0.1-1.0%

Additional information:

The verbatim content of the stated instructions regarding the possible dangers can be found in Chapter 16.

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 : Generally the product does not irritate the skin
 After eye contact : Rinse opened eye for several minutes under running water
 After swallowing : Do not induce vomiting and get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

If swallowed or vomited, there is a risk of lung invasion.

5 Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media

CO₂, dry chemicals, foam. Water can be used to cool and protect exposed material.

Unsuitable extinguishing media

Do not use a hard water jet, it can spread the fire.

5.2. Special hazards arising from the substance or mixture

Toxic fumes can be released in the event of fire / heating.

5.3. Advice for firefighters

Special protective clothing:

Wear a respiratory protection device that does not depend on the ambient air.

Put on full protective overalls.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear suitable gloves and protective clothing.

For the emergency services

Wear suitable gloves and protective clothing.

6.2. Environmental precautions

Do not drain into drains or public waters. Inform the government if this product enters sewers or open water.

6.3. Methods and material for containment and cleaning up

For containment : Contain large spillage on soil and absorb by mixing with inert granular solids.

Cleaning methods : Detergent. Absorb liquid spill into absorbent sand, acid binder, saw flour, kieselguhr.

Other information : The spreading surface can be smooth. Use suitable waste drums.

6.4. Reference to other sections

No dangerous substances are released.

Information on safe use - see chapter 7.

Personal protective equipment information - see Section 8.

Information on storage - see chapter 13.

7 Handling and storage

7.1. Precautions for safe handling

Avoid oil mist.

Information about protection against explosions and fires: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements for storage space and tanks:

Keep only in the original packaging.

Information about storage in common:

Not necessary.

Further information about storage conditions:

Store cool and dry in tightly closed containers.

8 Exposure controls / personal protection

Additional information regarding the layout of technical installations:

No additional information. See 7.

8.1. Control parameters

Contains mineral oil. For oil mist, limit values based on ACGIH STEL 10 mg / m³ and U.S. OSHA PEL 5 mg / m³ must be observed.

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

8.2. Exposure controls

Personal protective equipment:

General protective and health measures:

Wash hands before breaks and at the end of working hours.

Respiratory protection

Not required.

Personal protective equipment

Chemical protection gloves according to EN 374.



Glove material

Nitrile rubber

PVC gloves

Neoprene gloves

The choice of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer. Since the product out multiple fabrics is composed, the durability of the glove materials is not advance computable and must therefore be tested before use.

Penetration time of glove material

For continuous contact we recommend gloves with a breakthrough time of more than 240 minutes, where more than 480 minutes is preferred in those cases where suitable gloves can be identified. We recommend the same for short-term or splash protection, but are us aware that suitable gloves providing this level of protection may not be available and in that case, a shorter breakthrough time may be acceptable as long as the procedures for appropriate maintenance are performed and timely replacement are followed.

The thickness of the gloves is not a good measure of the resistance of the gloves to one chemical, because it depends on the exact composition of the material of which the gloves are made. Keep in mind: You can find out the exact penetration time from the glove manufacturer.

Eye protection: It is recommended to use safety goggles when casting.

Body protection: Wear suitable protective work clothing

9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid
Color	:	Yellow
Odor	:	Characteristic
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Pouring point	:	-35 ° C @ ASTM D97
Freezing / freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	> 110 ° C
Relative evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
relative density	:	No data available
Density	:	859 kg / m ³ @ 20 ° C
Water solubility	:	Product is hardly soluble and floats on the water surface.
Organic solvent	:	0.0%
Auto-ignition temperature	:	Does not ignite on its own
Decomposition temperature	:	No data available
Viscosity, kinematic	:	22 mm ² / s @ 40 ° C
Viscosity, dynamic	:	No data available
Blast properties	:	No data available

9.2. Other information

No additional information available

10 Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Avoid heating / combustion to prevent thermal decomposition.

10.3. Possibility of hazardous reactions

With strong oxidizing agents.

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.

11 Toxicological Information

11.1. Information on toxicological effects

Acute toxicity:

Primary condition:

on the skin: No irritating effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effect known.

Additional toxicological information:

The product is based on the calculation method of the general classification guidelines for EC preparations in the latest valid editorial not subject to labeling.

If handled properly and used according to instructions, the product is caused by our experience and the information known to us have no harmful effects on health

MR effects (carcinogenicity, mutagenicity and reproductive toxicity)

This product contains mineral oils which are considered to be highly refined and not considered to be carcinogenic under IARC. The IP 346 test showed that all oils in this product contain less than 3% extractables.

12 Ecological information

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability

Hydraulic oil 413 - 14061 Ridgid	
Persistence and degradability	Not soluble in water, so very biodegradable.

12.3 Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil Ecotoxic effects:

This material is normally harmless to aquatic organisms. The product has not been tested yet. This claim was derived from the properties of the individual components.

Further ecological information:

Water hazard class (NL) 11: Little harmful to aquatic organisms.

Water hazard class 1 (D) (Self-classification): water hazard small

Do not discharge undiluted or in large quantities into groundwater, surface water or sewage.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not usable.

12.6. Other adverse effects

No further relevant information available.

13 Disposal considerations

13.1. Waste treatment methods

Dispose in a safe manner in accordance with local / national regulations.

European waste catalog: 13 01 10 non-chlorinated mineral hydraulic oil.

14 Transport information

In accordance with the requirements of ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not classified as dangerous under transport legislation

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class (es)

ADR

Transport hazard class (es) (ADR) : Not applicable

IMDG

Transport hazard class (es) (IMDG) : Not applicable

IATA

Transport hazard class (es) (IATA) : Not applicable

ADN

Transport hazard class (es) (ADN) : Not applicable

RID

Transport hazard class (es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport	No data available
Open sea transport	No data available
Air transport	No data available
Inland waterway transport	No data available
Rail transport	No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15 Regulations

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

15.1.1. EU Regulations

Does not contain any substances that are restricted under REACH Annex XVII

Does not contain REACH Candidate List substances

Does not contain any substance listed in REACH Annex XIV

15.1.2. National regulations

SZW-list of carcinogenic substances : None of the components are present

SZW-list of mutagenic substances : None of the components are present

NON-exhaustive list of reproductive toxins - Breastfeeding : None of the components are present

NON-exhaustive list of reproductive toxicants - Fertility : None of the components are present

NON-exhaustive list of reproductive toxicants - Development : None of the components are present

Water hazard class: WGK 1 (D) (Self-classification): few dangerous for water.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out by the supplier for this substance or mixture.

16 Other information

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

TWA: Time Weighted Average

TLV: Threshold Limit Value

ASTM: American Society for Testing and Materials

ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin

IMDG: International Maritime Dangerous Goods

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

STEL: Short Term Exposure Limit

LD50 : median Lethal Dose for 50% of subjects

ATE: acute toxicity estimate

LC50: median Lethal Concentration for 50% of subjects

C50: concentration producing 50% effect

Other information: The information in this safety data sheet was obtained from sources which we believe are reliable. Nevertheless, with regard to correctness, the information was made available without any warranty - express or implied. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and cannot be within our competence. For these and other reasons, we disclaim any responsibility in the event of loss, damage or expense arising in any way during or associated with the handling, storage, use or disposal of the product. This safety data sheet has been prepared for this product and should only be used for this purpose. If the product is used as a component in another product, the information in this safety data sheet may not apply.

Full text of H- and EUH-statements:

H304	May be fatal if swallowed and enters airways
H411	Toxic to aquatic life with long lasting effects
HR51 / 53	Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

This safety information sheet has been compiled in accordance with Annex II / A of Regulation (EU) 453/2010. Classification is calculated according to European Directive 67/548 / EWG, 1999/45 / EC and Regulation 1272/2008 with their respective amendments. It has been prepared with the greatest possible care. However, we cannot accept any liability for damage of any kind caused by the use of this data or the product concerned. The use of this preparation for an experiment or a new application requires the user to conduct a material suitability and safety study.