SAFETY DATA SHEET
HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

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

1.1. Product identifier

Product name HYDRO OIL HD 46

Product number 22124

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

Identified uses Industrial oil

Uses advised against This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.

1.3. Details of the supplier of the safety data sheet

Supplier PETROL OFİSİ A.Ş.
Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul
Tel: +90 850 339 1919
Fax: +90 216 275 3854
madeniyag@petrolofisi.com.tr

Contact person Customer Services: madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

National emergency telephone number Emergency Medical Services: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P401 Store in accordance with national regulations.
P501 Dispose of contents/ container in accordance with national regulations.
P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

2.3. Other hazards

As supplied, the material does not present a health hazard.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic (Nota L, -R45,<3% dimethyl sulfoxide) **95-100%**

CAS number: 64742-54-7 EC number: 265-157-1 REACH registration number: 01-2119484627-25-0033

Classification
Asp. Tox. 1 - H304

Çinko bis[O,O-bis(2-etilhekzil)]bis(ditiyofosfat)2,6-di-tersiyer-bütilfenol **<1%**

CAS number: 4259-15-8 EC number: 224-235-5

Classification
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

2,6-di-tersiyer-butilfenol **<1%**

CAS number: 128-39-2 EC number: 204-884-0

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Skin Irrit. 2 - H315
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

bis(nonylphenyl)amine **<1%**

CAS number: 36878-20-3 EC number: 253-249-4

Classification
Aquatic Chronic 4 - H413

Phenol, dodecyl-,sulfurized,carbonates,calcium salts,overbased **<1%**

CAS number: 122384-87-6

Classification
Aquatic Chronic 4 - H413

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Polyglycol ether	**<1%**
CAS number: —	

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

Calcium bis (dinonilnaftalinsülfonat)	**<1%**
CAS number: 57855-77-3	EC number: 260-991-2

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318

Phenol, (tetrapropenyl) derivatives	**<1%**
CAS number: 74499-35-7	EC number: 616-100-8
M factor (Acute) = 10	M factor (Chronic) = 10

Classification
Skin Corr. 1 - H314
Eye Dam. 1 - H318
Repr. 1B - H360F
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

Composition comments Some substances are not classified by legistlation.They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%

Ingredient notes See Section 8 for occupational exposure limits. If REACH registration numbers cannot be seen, the item is exempt from registering, minimum volume threshold for recording does not meet, the registration date has not yet arrived, or this information has been registered.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Personal protective equipment should be used to minimize first-aid treatment.

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	Treat symptomatically.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use the following: Water. Using a water jet can be inconvenient.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, oxides of sulfur, and unidentified organic and inorgaic compounds.
Hazardous combustion products	Carbon monoxide (CO). Oxides of sulphur. Unidentified organic or inorganic compounds.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
For non-emergency personnel	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.
For emergency responders	Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk.Limit spillage to prevent further contamination of soil, surface or ground water.Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection.Use suitable techniques such as non-flammable absorbent materials or pumping.When possible or appropriate, remove the contaminated soil from the area.Place contaminated products in disposable boxes and dispose of in accordance with regulations.If a heated material is spilled, allow it to cool before handling with disposal methods.

6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. For personal protection, see Section 8. See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

Advice on general occupational hygiene In the areas where the product is handled, food should not be eaten, beverages should not be drink and smoke should not be smoked. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description The product must be used as specified in the data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

There is no available data.

Ingredient comments Oil Mist TWA: 5 mg /m3 (ACGIH). Distillates (petroleum) hydrotreated heavy parafinic: EU OEL (Eu.) TWA: 5 mg/m3 (8 h.)

Biological limit values There is no available data.

DNEL There is no available data.

DMEL There is no available data.

PNEC There is no available data.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Personal protection	Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately. The effectiveness of personal protective equipment, together with other elements, depends on the degree of ventilation. Depending on the particular situation in question, Get professional support.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Thermal hazards	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
Environmental exposure controls	There is no available data.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Yellow.
Odour	Characteristic.
Odour threshold	Inconclusive data.
pH	Inconclusive data.
Melting point	Inconclusive data.
Initial boiling point and range	Inconclusive data.
Flash point	~ 230°C OC (Open cup).
Evaporation rate	Inconclusive data.
Evaporation factor	Inconclusive data.
Flammability (solid, gas)	Inconclusive data.
Upper/lower flammability or explosive limits	Inconclusive data.
Other flammability	Inconclusive data.
Vapour pressure	Inconclusive data.
Vapour density	Inconclusive data.
Relative density	Inconclusive data.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Bulk density	~ 0,88 @ 15ºC kg/m³
Solubility(ies)	Insoluble in water.
Partition coefficient	Inconclusive data.
Auto-ignition temperature	Inconclusive data.
Decomposition Temperature	Inconclusive data.
Viscosity	41,4-50,6 cSt @ 40°C
Explosive properties	Inconclusive data.
Explosive under the influence of a flame	No suitable data is available.
Oxidising properties	No data available.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Particle characteristic	

9.2. Other information

Other information	No information required.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability This material is considered stable under normal environmental conditions and in the conditions of storage and handling foreseen.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with strong oxidising agents. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Chlorates. Nitrates. Peroxides.

10.6. Hazardous decomposition products

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Methacrylates. Oil vapors in case of overheating.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Other health effects	No relevant information available.
Toxicological effects	Information given is based on data of the components and of similar products.
Acute toxicity - oral	
Summary	Based on available data, the classification criteria are not met.
Notes (oral LD_{50})	64742-54-7 distillates (petroleum), hydrotreated heavy paraffinic: LD_{50} >2000 mg/kg, Oral, Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophoosphate): LD_{50} 3100 mg/kg, Oral, Rat 2,6-di-tertiary-butylphenol: LD_{50} >5000 mg/kg, Oral, Rat Distillates (petroleum), hydrotreated heavy parafinic: LD_{50} >5000 mg/kg, Oral, Rat bis(nonylphenyl)amine: LD_{50} >5000 mg/kg, Oral, Rat phenol, dodecyl-,sulfurized,carbonates,calcium salts,overbased: LD_{50} >5000 mg/kg, Oral, Rat Polyglycol ether: LD_{50} 300- 2000 mg/kg, Oral, Rat Calcium bis(dinonylnaphtalinesulphonate): LD_{50} >5000 mg/kg, Oral, Rat phenol, (tetrapropenyl) derivatives: LD_{50} 2200 mg/kg, Oral, Rat
Acute toxicity - dermal	
Summary	Based on the available data, the classiication criteria are not met.
Notes (dermal LD_{50})	64742-54-7: Distillates (petrolum), hydrotreated heavy paraffinic: LD_{50} > 2000 mg/kg, Dermal, Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate) : LD_{50} >5000 mg/kg, Dermal, Rabbit 2,6-di-tertiary-butylphenol: LD_{50} >10000 mg/kg, Dermal, Rabbit Distillates (petroleum) hydrotreated heavy paraffinic: LD_{50} >5000 mg/kg, Dermal, Rabbit Bis(nonylphenil)amine: LD_{50} >5000 mg/kg, Dermal, Rat Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased LD_{50} >2000 mg/kg, Dermal, Rabbit Polyglycol ether: LD_{50} >2000 mg/kg, Dermal, Rabbit Calcium bis (dinonylnaftalinesulphonate): LD_{50} >20000 mg/kg, Dermal, Rat phenol, (tetrapropenyl) derivatives: LD_{50} 15000 mg/kg, Dermal, Rabbit
Acute toxicity - inhalation	
Summary	Basen on the available data, the classification criteria are not met.
Notes (inhalation LC_{50})	Distillates (petroleum), hydrotreated heavy parafinic: LC50 5,53 (4 sa.) mg/l, Inhalation, Rat Calcium bis(dinonylnaftalinsulphonate): LC50 >18 (1 sa.) mg/l, Inhalation, Rat
Skin corrosion/irritation	
Summary	Basen on the available data, the classification criteria are not met. In case of frequent and / or often contact with skin, irritation symptoms may occur.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Animal data	No information available.
Human skin model test	No information available.
Extreme pH	No information available.
Serious eye damage/irritation	
Summary	Based on available data, the classification criteria are not met. Eye contact may cause irritation.
Serious eye damage/irritation	Based on available data the classification criteria are not met.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Respiratory sensitisation

Summary	Based on available data, the classification criteria are not met. Mist may cause slight irritation if inhaled.
Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Summary	Based on the available data, the product is not expected to have a skin sensitizing effect.
Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Summary	It is not expected to cause genetic damage in the light of current data.
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

Summary	This product mainly consists of mineral based base oils.The base oils in this product are refined. The base oils in the product content contain less than 3% DMSO according to IP 346.
Carcinogenicity	Based on available data the classification criteria are not met.
Target organ for carcinogenicity	No specific target organs known.

Reproductive toxicity

Summary	There is no test data indicating that this product has a toxic effect on the reproductive system.
Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	No information is required.

Specific target organ toxicity - single exposure

Summary	There is no available data.
STOT - single exposure	Based on available data the classification criteria are not met.
Target organs	No specific target organs known.

Specific target organ toxicity - repeated exposure

Summary	There is no available data.
STOT - repeated exposure	Based on available data the classification criteria are not met.
Target organs	No specific target organs known.

Aspiration hazard

Summary	Based on available data, the classification criteria are not met. Slight irritation of the respiratory tract may occur, if mists are inhaled.
Aspiration hazard	Based on available data, the classification criteria are not met.

Toxicokinetics	No information is required.
General information	Information given is based on data of the components and of similar products.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	There is not enough data.
Route of exposure	There is no available data.
Target organs	No specific target organs known.
Medical symptoms	No specific tes data are available.
Medical considerations	No specific tes data are available.

11.2 Information on other hazards

Information on other hazards

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment. May be harmful to aquatic organisms. Spills form film layer on water surface and prevent oxygen transfer

12.1. Toxicity

Toxicity There is not enough data.

Acute aquatic toxicity

Summary Based on available information, the classification criteria are not met.

Acute toxicity - fish

bis(dithiophosphate):
LL_{50}, 96 hours: 4,4 mg/l, Oncorhynchus mykiss (Rainbow trout)
2,6-di-tertiary-butylphenol:
LC_{50}, 96 hours: 1,4 mg/l, Pimephales promelas (Fat-head Minnow)
Distillates (petroleum), hydrotreated heavy parafinic:
LL_{50}, 96 hours: >100 mg/l, Pimephales promelas (Fat-head Minnow)
Bis(nonylphenyl)amine:
LL_{50}, 96 hours: >100 mg/l, Danio rerio (Zebrafish)
Polyglycol ether:
LL_{50}, 96 hours: >1000 mg/l, Pimephales promelas (Fat-head Minnow)
LL_{50}, 96 hours: 104 mg/l, Danio rerio (Zebrafish)
Calcium bis(dinonylnaftalinsulphonate):
LC_{50}, 98 hours: >0,28 mg/l, Cyprinus carpio (Common carp)
phenol, (tetrapropenyl) derivatives:
LL_{50}, 96 hours: 40 mg/l, Pimephales promelas (Fat-head Minnow)
Supplier's information.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Acute toxicity - aquatic invertebrates

bis(dithiophosphate):
EL50, 48 hours: 75 mg/l, Daphnia magna
NOEC, 21 days: 0,4 mg/l, Daphnia magna
2,6-di-tertiary-butylphenol:
LC_{50}, 48 hours: 0,45 mg/l, Daphnia magna
Bis(nonylphenyl)amine:
EL50, 48 hours: >100 mg/l, Daphnia magna
Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased
EL50, 48 hours: >1000 mg/l, Daphnia magna
Polyglycol ether:
EL50, 48 hours: >100 mg/l, Daphnia magna
Calcium bis(dinonylnaftalinsulphonate):
EC_{50}, 48 hours: >0,27 mg/l, Daphnia magna
phenol, (tetrapropenyl)derivatives:
EL50, 48 hours: 0,037 mg/l, Daphnia magna
Supplier's information.

Acute toxicity - aquatic plants

Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate):
EL50, 72 hours: 410 mg/l, Desmodesmus subspicatus
2,6-di-tertiary-butylphenol:
EC_{50}, 96 hours: 1,2 mg/l, Pseudokirchneriella subcapitata
Bis(nonylphenyl)amine:
EL50, 72 hours: >100 mg/l, Desmodesmus subspicatus
Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased:
EL50, 96 hours: >500 mg/l, Pseudokirchneriella subcapitata
Polyglycol ether:
EL50, 96 hours: 326 mg/l, Selenastrum capricornutum
Calcium bis(dinonylnaftalinsulphonate):
EC_{50}, 72 hours: >1,2 mg/l, Pseudokirchneriella subcapitata
phenol, (tetrapropenyl) derivatives:
EL50, 72 hours: 0,36 mg/l, Desmodesmus subspicatus
Supplier's information.

Acute toxicity - microorganisms

Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate):
EL50, 16 hours: 380 mg/l, Micro-organisms
2,6-di-tertiary-butylphenol:
EC_{50}, 3 hours: >1000 mg/l, Micro-organisms
Bis(nonylphenyl)amine:
IC_{50}, 3 hours: >100 mg/l, Micro-organisms
Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased:
EL50, 3 hours: >10000 mg/l, Micro-organisms
Polyglycol ether:
EL50, 10 minutes: >1000 mg/l, Micro-organisms
Calcium bis(dinonylnaftalinsulphonate):
EL50, 3 hours: 560 mg/l, Micro-organisms
phenol, (tetrapropenyl)derivatives:
EL50, 3 hours: >1000 mg/l, Micro-organisms
Supplier's information.

Acute toxicity - terrestrial

No information required.

Chronic aquatic toxicity

Summary

Based on available information, the classification criteria are not met.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Chronic toxicity - fish early life stage	No information required.
Short term toxicity - embryo and sac fry stages	No information required.
Chronic toxicity - aquatic invertebrates	2,6-di-tartiary-butylphenol: NOEC, 21 day: 0,64 mg/l, Daphnia magna Distillates (petroleum),hydrotreated heavy parafinic: NOEL, 21 day: 10 mg/l, Daphnia magna Calcium bis(dinonylnaftalinsulphonate): NOEL, 21 day: 4,6 mg/l, Daphnia magna phenol, (tetrapropenyl) derivatives: NOEL, 21 day: 0,0037 mg/l, Daphnia magna
Toxicity to soil	There is not enough data.
Toxicity to terrestrial plants	There is not enough data.

12.2. Persistence and degradability

Persistence and degradability	Not expected to be readily biodegradable.
Phototransformation	No specific test data are available.
Stability (hydrolysis)	No specific test data are available.
Biodegradation	Not readily biodegradable.
Biological oxygen demand	No specific test data are available.
Chemical oxygen demand	No specific test data are available.

12.3. Bioaccumulative potential

Bioaccumulative potential	No specific test data are available.
Partition coefficient	Inconclusive data.

12.4. Mobility in soil

Mobility	The product is insoluble in water and will spread on the water surface.
Adsorption/desorption coefficient	No specific test data are available.
Henry's law constant	No specific test data are available.
Surface tension	No specific test data are available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Supplier data:This product does not contain PBT and vPvB.

12.6 Endocrine disrupting properties

Endocrine disrupting properties

12.6. Other adverse effects

Other adverse effects	This product contains components that have a harmful effect on the aquatic environment.Do not allow to enter into soil, rivers or sewers.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization.

EU legislation https://echa.europa.eu

Guidance Safety Data Sheets for Substances and Preparations.

Health and environmental listings Hazardous ingredients are listed.

.

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

E.U. : European union
DMSO: Dimethyl sulfoxide
KKE: Personal protective aquipment
T.C. : Republic of Turkey
TWA: Workplace exposure limits
UZEM: National Poison Information Center
CAS: Chemical Abstracts Service.
GHS: Globally Harmonized System.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

Classification abbreviations and acronyms

Asp. Tox. = Aspiration hazard
Skin Corr. = Skin corrosion
Skin Sens. = Skin sensitisation
Skin Irrit. = Skin irritation
Eye Dam. = Serious eye damage
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Aquatic Acute = Hazardous to the aquatic environment (acute)
Acute Tox. = Acute toxicity
Eye Irrit. = Eye irritation
Repr. = Reproductive toxicity

General information Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Key literature references and sources for data This SDS is prepared based on the information received from raw material suppliers.

HYDRO OIL HD 46

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

Classification procedures according to Regulation (EC) 1272/2008	Not classified for environmental hazards., Not classified for physical hazards., Not classified for health hazards.: Calculation method.
Training advice	Untrained personnel should not use.
Revision comments	Revised formulation.
Issued by	Ece Yigit Chemical Assessment Specialist (Certificate No: KDU01.30.08 18.02.2028)
Revision date	15/02/2024
Revision	4
Supersedes date	17/06/2011
SDS number	20337
SDS status	Approved.
Hazard statements in full	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H360F May damage fertility. 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. H413 May cause long lasting harmful effects to aquatic life.