



Prista SHPD VDS-3 20W-50

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 1/1/2023 Supersedes version of: 2/28/2020

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

1.1. Product identifier

Product form : Mixture
Product name : Prista SHPD VDS-3 20W-50
Product code : M021/04
Type of product : Engine oils
Synonyms : Engine oils
Product group : Blend

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use, Professional use
Industrial/Professional use spec : Distribution
Formulation & (re)packing of substances and mixtures
Used in closed systems
Engine oils
Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Prista Oil Holding EAD
46 Treti Mart Blvd.
7002 Ruse – Bulgaria
Bulgaria
T + 359 82 82 69 40
information@prista-oil.bg - <http://www.prista-oil.com/en>

1.4. Emergency telephone number

Emergency number : Unified emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.

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| | |
|--------------------------------|--|
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear eye protection, protective gloves. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| EUH-statements | : EUH208 - Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction. |
| Child-resistant fastening | : Not applicable |
| Tactile warning | : Not applicable |

2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

| Component | |
|---|---|
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | PBT: not relevant – no registration required vPvB: not relevant – no registration required |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : CLP Calculation method

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-----------|--|
| Distillates (petroleum), hydrotreated heavy paraffinic | CAS-No.: 64742-54-7 EC-No.: 265-157-1 REACH-no: 01-2119484627-25-0035; 01-2119484627-25-0025; 01-2119471299-27-0019 | < 87 | Not classified |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | CAS-No.: 84605-29-8 EC-No.: 283-392-8 REACH-no: 01-2119493626-26 | 0.7 – 1.2 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |
| Bis(nonylphenyl)amine | CAS-No.: 36878-20-3 EC-No.: 253-249-4 REACH-no: 01-2119488911-28 | 0.1 – 0.7 | Aquatic Chronic 4, H413 |
| Calcium branched alkyl phenate sulphide | CAS-No.: Polymer EC-No.: Polymer REACH-no: - | 0.1 – 0.7 | Aquatic Chronic 4, H413 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-----------|---|
| Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts | EC-No.: 947-519-7 REACH-no: 01-2120765489-36 | 0.1 – 0.7 | Skin Sens. 1B, H317 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|--|--|---|
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | CAS-No.: 84605-29-8 EC-No.: 283-392-8 REACH-no: 01-2119493626-26 | (6.25 ≤C < 100) Skin Irrit. 2, H315 (12.5 ≤C < 100) Eye Dam. 1, H318 |
| Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts | EC-No.: 947-519-7 REACH-no: 01-2120765489-36 | (10 <C < 100) Skin Sens. 1B, H317 |

Comments : Note L : The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ('Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method' Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
Exempted from REACH registration

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person.
First-aid measures after inhalation : Give oxygen or artificial respiration if necessary. Remove person to fresh air and keep comfortable for breathing. Get immediate medical advice/attention.
First-aid measures after skin contact : Wash skin with plenty of water. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Immediately call a POISON CENTER/doctor. Rinse mouth out with water. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation : May cause drowsiness or dizziness. May cause headache, nausea and irritation of respiratory tract.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Causes eye irritation.
Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Risk of lung oedema.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : In case of fire and/or explosion do not breathe fumes.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so.
- Firefighting instructions : DO NOT fight fire when fire reaches explosives. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : On exposure to high temperature, may decompose, releasing toxic gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Clean up any spills as soon as possible, using an absorbent material to collect it. Eliminate every possible source of ignition. Do not handle until all safety precautions have been read and understood. Notify authorities if product enters sewers or public waters.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Ventilate area. Stop release. Cover spill with non combustible material, e.g.: sand/earth. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing mist, vapours. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Handle and open container with care. Obtain special instructions before use.
- Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|--|
| Technical measures | : Comply with applicable regulations. Use only non-sparking tools. |
| Storage conditions | : Store in a well-ventilated place. Keep cool. |
| Incompatible products | : Oxidizing agent. |
| Incompatible materials | : Sources of ignition. |

7.3. Specific end use(s)

Product information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|-----------|----------------------|
| IOEL TWA | 5 mg/m ³ |
| IOEL STEL | 10 mg/m ³ |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Bis(nonylphenyl)amine (36878-20-3)

DNEL/DMEL (Workers)

| | |
|--|------------------------|
| Long-term - systemic effects, dermal | 0.62 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 4.37 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|------------------------|
| Long-term - systemic effects, oral | 0.31 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 1.09 mg/m ³ |
| Long-term - systemic effects, dermal | 0.31 mg/kg bw/day |

PNEC (Water)

| | |
|--------------------------|-----------|
| PNEC aqua (freshwater) | 0.1 mg/l |
| PNEC aqua (marine water) | 0.01 mg/l |

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. ISO 16321-1. EN 168

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

protective gloves: neoprene gloves, PVA. Chemical resistant PVC gloves (to European standard ISO 374-1 or equivalent). EN 420

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 405

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-------------------------------------|
| Physical state | : Liquid |
| Colour | : brown. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : -24 °C |
| Boiling point | : > 315 °C |
| Flammability | : Not applicable |
| Explosive properties | : Not applicable. |
| Oxidising properties | : Not applicable. |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : 232 °C |
| Auto-ignition temperature | : > 315 °C |
| Decomposition temperature | : Not available |
| pH | : Not applicable |
| Viscosity, kinematic | : 169.2 mm ² /s @40°C |
| Solubility | : soluble in most organic solvents. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : < 10 Pa |
| Vapour pressure at 50°C | : Not available |
| Density | : 0.887 g/ml @20°C |
| Relative density | : Not available |
| Relative vapour density at 20°C | : > 1 |
| Particle characteristics | : Not applicable |

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9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| | |
|-----------------------|---|
| LD50 oral rat | > 5000 mg/kg bodyweight (OECD 401 method) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight (OECD 402 method) |
| LC50 Inhalation - Rat | > 5 mg/l/4h (OECD 403 method) |

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

| | |
|-----------------------|---|
| LD50 oral rat | ≈ 4468 mg/kg bodyweight (OECD 401 method) |
| LD50 dermal rat | > 2002 mg/kg bodyweight (OECD 402 method) |
| LC50 Inhalation - Rat | > 2.3 mg/l (OECD 403 method) |

Bis(nonylphenyl)amine (36878-20-3)

| | |
|-----------------|--------------------------------|
| LD50 oral rat | > 5000 mg/kg (OECD 401 method) |
| LD50 dermal rat | > 2000 mg/kg (OECD 402 method) |

Skin corrosion/irritation : Not classified
pH: Not applicable
Serious eye damage/irritation : Causes serious eye irritation.
pH: Not applicable

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| | |
|-----------------------------------|--|
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP |
| Carcinogenicity | : This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP |
| Reproductive toxicity | : This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not classified |

Prista SHPD VDS-3 20W-50

| | |
|----------------------|--------------------------------|
| Viscosity, kinematic | 169.2 mm ² /s @40°C |
|----------------------|--------------------------------|

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| | |
|--------------------------------------|--|
| LC50 - Fish [1] | > 100 mg/l (OECD 203 method) |
| EC50 - Crustacea [1] | > 10000 mg/l (OECD 202 method) |
| EC50 72h - Algae [1] | > 1000 mg/l (OECD 201 method) |
| NOEL, aquatic invertebrates, Chronic | < 1 mg/l (21 days, (OECD 211 method)) |
| NOEL, algae, Chronic | > 100 mg/l (72 Hours, (OECD 201 method)) |
| NOEL, microorganisms, Chronic | > 1.93 mg/l (10 minutes, DIN 38412) |
| NOEL, daphnia, Chronic | > 10 mg/l (21 days) |

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

| | |
|------------------------|--------------------------------|
| LC50 - Fish [1] | > 4.6 mg/l (OECD 203 method) |
| LC50 - Fish [2] | > 46 mg/l (OECD 203 method) |
| EC50 - Crustacea [1] | 23 mg/l (OECD 202 method) |
| ErC50 algae | > 10000 mg/l (OECD 209 method) |
| NOEC (acute) | < 26 mg/l (OECD 203 method) |
| NOEC chronic crustacea | > 10 mg/l |

Bis(nonylphenyl)amine (36878-20-3)

| | |
|----------------------|---|
| LC50 - Fish [1] | > 100 mg/l Danio rerio, (OECD 203) |
| EC50 - Crustacea [1] | > 100 mg/l Daphnia magna (Water flea), (OECD 202) |

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Bis(nonylphenyl)amine (36878-20-3)

| | |
|----------------------|-------------------------------------|
| EC50 72h - Algae [1] | Desmodesmus subspicatus, (OECD 201) |
|----------------------|-------------------------------------|

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts

| | |
|-----------------|-----------------|
| LC50 - Fish [1] | 100 – 1000 mg/l |
|-----------------|-----------------|

| | |
|-----------------|--------------|
| LC50 - Fish [2] | > 10000 mg/l |
|-----------------|--------------|

| | |
|----------------------|-------------|
| EC50 - Crustacea [1] | > 1000 mg/l |
|----------------------|-------------|

| | |
|----------------------|-------------|
| EC50 96h - Algae [1] | > 1000 mg/l |
|----------------------|-------------|

12.2. Persistence and degradability

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| | |
|-------------------------------|--|
| Persistence and degradability | Not readily biodegradable, according to appropriate OECD test due to properties of several components. |
|-------------------------------|--|

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| | |
|-------------------------------|--|
| Persistence and degradability | Not readily biodegradable, according to appropriate OECD test due to properties of several components. |
|-------------------------------|--|

| | |
|----------------|---------------------------|
| Biodegradation | < 32 % (OECD 301B method) |
|----------------|---------------------------|

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

| | |
|----------------|--------------------------|
| Biodegradation | 1.5 % (OECD 301B method) |
|----------------|--------------------------|

Bis(nonylphenyl)amine (36878-20-3)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

| | |
|----------------|-----|
| Biodegradation | 1 % |
|----------------|-----|

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts

| | |
|----------------|------------------------|
| Biodegradation | 8 % (OECD 301D method) |
|----------------|------------------------|

12.3. Bioaccumulative potential

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| | |
|---------------------------|----------------------------|
| Bioaccumulative potential | Bioaccumulative potential. |
|---------------------------|----------------------------|

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| | |
|---|------------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | 3.5 – 6 Moderately bioaccumulative |
|---|------------------------------------|

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)

| | |
|---|--------------------|
| Partition coefficient n-octanol/water (Log Kow) | 0.56 measured data |
|---|--------------------|

Bis(nonylphenyl)amine (36878-20-3)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 7.6 |
|---|-----|

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Kow) | 10.88 |
|---|-------|

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

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PBT: not relevant – no registration required

vPvB: not relevant – no registration required

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Avoid release to the environment.
European List of Waste (LoW) code : 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

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Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)

| Reference code | Applicable on | Entry title or description |
|----------------|--|---|
| 3(b) | Prista SHPD VDS-3 20W-50 ; Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ; Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ; Bis(nonylphenyl)amine ; Calcium branched alkyl phenate sulphide | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

For the following substances of this mixture a chemical safety assessment has been carried out:

Distillates (petroleum), hydrotreated heavy paraffinic

SECTION 16: Other information

Indication of changes:

Regulatory information.

Prista SHPD VDS-3 20W-50

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: | |
|-----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| vPvB | Very Persistent and Very Bioaccumulative |

| | |
|-------------------|---|
| Data sources | : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. |
| Training advice | : Normal use of this product shall imply use in accordance with the instructions on the packaging. |
| Other information | : None. |

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| EUH208 | Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-, calcium salts. May produce an allergic reaction. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

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Safety Data Sheet

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Full text of H- and EUH-statements:

| | |
|---------------|---|
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1B | Skin sensitisation, category 1B |

PRISTA SDS design EU 2022

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.