1.PRODUCT AND COMPANY IDENTIFICATION

Product name	Prista® SHPD VDS 20W-50
Product application	Multigrade engine oil
Company Identification	"Prista Oil "-EAD – 46 Treti Mart blvd. 7002 Rousse, Phone: + 359 82 82 46 97
Emergency phone number	+ 359 82 82 46 97, e-mail:information@prista-oil.bg

2. HAZARDS IDENTIFICATION

Product is classified as dangerous according to the classification rules in Directives 67/548/EEC or 1999/45/EC. Classification with risk phrase R52/53.

Acute effects of exposure to man	
Inhalation	Vapours or mist in unusually high concentrations, as from exposure in poorly ventilated areas, may cause irritation of the nose and throat, headache, nausea and drowsiness.
Skin contact	Brief contact is not irritating. Prolonged and repeated contact with this product may cause allergic skin reaction in sensitive, exposed persons.
Eye contact	May cause minimal irritation, experienced as temporary discomfort.
Ingestion	No adverse effects expected. If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur.
Effect of exposure to the environment	May form an oil film leading to de-oxygenation of water and possible harmful effect on aquatic life. Product can penetrate soil until reaching the surface of ground water (in the presence of ground water).

3.COMPOSITION/INFORMATION ON INGREDIENTS

Name	% Wt	CAS No. / EINECS No.	R phrases and symbols
Distillates (petroleum), solvent-dewaxed heavy paraffinic	< 65.0	64742-65-0/265-169-7	None
Petroleum lubricating oil, hydrotreated neutral based C20-C50	< 20.0	72 623-87-1/276-738-4	None
Zinc alkyldithiophosphate	< 1.3	68649-42-3/272-028-3	Xi R38, R41, N R51/53
Olefin sulfide	< 0.7	Conf	R52
p-Dodecylphenol	< 0.12	121158-58-5/310-154-3	R38, N R50/53, Xn R62
DMSO content (IP 346)	< 3.0		

4. FIRST AID MEASURES

Inhalation	If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.
Skin contact	Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists
Eye contact	Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.
Ingestion	DO NOT INDUCE VOMITING. Get medical attention. Never give anything by mouth to an unconscious or convulsing person.
Instructions for physicians/doctors	If nausea or irritations do not appear after ingestion, give medical carbon in water slurry (3 tablespoons in one liter water).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use water fog, dry powder, foam or carbon dioxide. Use water to cool fire-exposed containers. If the leak or spill has not ignited, use water fog to disperse the vapours and to provide protection for personnel attempting to stop the leak.
Extinguishing media which must not be used for safety reasons	Water jet
Special exposure hazards arising from the	None

preparation	
Special protective equipment for the fire-fighters	The nature of special protective equipment required will depend upon the size of the fire, the degree of confinement of the fire and the natural ventilation available. Fire-resistant clothing and self-contained breathing apparatus is recommended for fires in confined spaces and poorly ventilated areas. Full fireproof clothing is recommended for any large fires involving this product.
Firefighting procedure	In case of fire - Always call the fire brigade. Small fires, such as those capable of being fought with a hand-held extinguisher, can normally be fought by a person who has received instruction on the hazards of flammable liquid fires. Fires that are beyond that stage should only be tackled by people who have received hands-on training. Ensure escape path's available.
6. ACCIDENTAL RELEASE MEASURE	
Personal precautions	Personal Protective Equipment must be worn. Ventilate area if spilled in confined space or other poorly ventilated areas.
Environmental precautions	Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
Cleaning materials	Sand, sawdust
7. HANDLING AND STORAGE	
Handling	Avoid prolonged or repeated contact with skin. Avoid breathing of vapours
Storage	Keep containers closed when not in use. Store at ambient temperature
Specific use	In accordance with product specification
8. EXPOSURE CONTROL/PERSONAL PROTECTIN	
Exposure Limits	5 mg/m^3 of air for mineral oil mist averaged over an 8 hour daily exposure
Exposure control	
Respiratory protection	Under normal use conditions, respirator is not usually required. If vapor or mist is generated, use approved respirator as appropriate. Certified air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.
Hand protection	Neoprene gloves; time for wearing out the gloves material >30 minutes.
Eye protection	Safety goggles
Skin protection	Exposed employees should exercise reasonable personal cleanliness. This includes cleansing exposed skin areas several times daily with soap and water and laundering or dry cleaning soiled work clothing. Long sleeve shirt is recommended. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.
Environmental exposure controls	May form an oil film leading to de-oxygenation of water and possible harmful effect on aquatic life. Product can penetrate soil until reaching the surface of ground water (in the presence of ground water).
9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1. General information	
Appearance	Brown liquid
Odour	Specific
9.2. Important health, safety and environmental information	

pH	Not applicable
Boiling point/Boiling range	-
Flammability/ Flashpoint, °C, COC	230
Explosive properties	-
Oxidising properties	-
Vapour pressure	-
Density at 20°C, g/ml	0.890
Solubility	Soluble in organic solvents
Water solubility	Insoluble
Partition coefficient: n-octanol/water	-
Kinematic viscosity ,cSt	19.0 cSt at 100°C
Vapour density	-
Evaporation rate	-
10. STABILITY AND REACTIVITY	
Conditions to avoid	Material is normally stable at moderately elevated temperatures and pressures
Materials to avoid	Oxidizing agent
Hazardous decomposition products	Smoke, carbon monoxide and other products of incomplete combustion
11. TOXICOLOGICAL INFORMATION	
Eye contact	Not expected to cause eye irritation. Base oil tested in accordance with Method OECD 405. May cause minimal irritation or redness if accidental eye contact occurs.
Skin contact	LD_{50} (rabbits) for base oil is > 2000mg/kg - Not expected to be skin irritant Base oil tested in accordance with OECD 404. Prolonged or repeated skin contact as from clothing wetted with material may cause dermatitis.
Inhalation	If material is misted or if vapours are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.
Ingestion	LD_{50} (rats) for base oil is > 5000mg/kg- consider very low toxicity. Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhea
Chronic	Repeated skin contact may cause a persistent irritation or dermatitis.
12. ECOLOGICAL INFORMATION	
Ecotoxicity	LC_{50} for base oil (96 hours for fish) is > 1000mg/l EC_{50} for base oils (48 hours for Daphnia is > 1000mg/l Very low toxicity
Mobility	Low, due to low water solubility. Spillage may penetrate the soil causing ground water contamination
Persistence and degradability	This product is not readily biodegradable. Information about base oil- Inherent biodegradability =22% after 28 days (OCD 301B)
Bioaccumulative potential	Log K_{OW} for base oils is in range 3.9-6.0. Partition coefficient n-octanol/water. A value Log K_{OW} > 3.0 indicates possible bioaccumulation.
Other adverse effects	May form an oil film leading to deoxygenation of water and possible harmful effect on aquatic life.
13. DISPOSAL CONSIDERATIONS	
Disposal of preparation and contaminated packaging	Always change used oils only at authorized places and shops! Dispose empty lubricant containers at approved for such wastes places. Follow all state or local regulations and requirements for disposal, recycle or reclaiming of waste oils and petroleum products.
Waste code	13 02 05* (In accordance with European Waste Catalogue)
14. TRANSPORT INFORMATION	

	ADR - Not regulated IMDG - Not regulated RID - Not regulated IATA - Not regulated
15. REGULATORY INFORMATION	
Classification/ Labeling	Under the criteria of Directives 67/548/EEC or 1999/45/EC special labeling is required with the following risk phrase and safety phrase: R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment S61- Avoid release to the environment. Refer to special instructions/safety data sheets.
16. OTHER INFORMATION	
Revised edition	Revised edition
Changes indication	**ITEM** — **DATE** 12.Ecological information — 01-01-2005 13.Disposal consideration — 01-01-2005 3. Hazard identification — 15-12-2005 4. First aid measure — 15-12-2005 5. Fire-fighting measure — 15-12-2005 Revised edition according Regulation (EC) 1907/2006 — 15-09-2008
Full text of R phrases	R38- Irritating to skin R41- Risk of serious damage to eyes R62- Risk of impaired fertility R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R52- Harmful to aquatic organisms
Literary reference	This Safety Data Sheet is prepared in accordance with Annex II of Regulation 1907/2006 (EC) 67/548/ EEC (dangerous substances) 1999/45/EEC (dangerous preparation): 2001/58/EEC EUCLID Data Sheet for base oil – European commission-European Chemical Bureau
This information is the best of our current knowledge, and is believed to be correct as of the date hereof, and is intended to describe the product only in terms of health and safety and environmental requirements. Since the conditions of use are outside our control, any recommendations and suggestions are made without guarantee	