

Safety Data Sheet
 According to Commission Regulations (EU) No.1907/2006, (EU) No.1272/2008
 and Annex II to Commission Regulation No.453/2010
 MSDS № I 014/01



Version: 2015-06-01
 Supersedes version: 2012-05-01

PRISTA® SUPERTERM 32

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1 Product Identifier	Prista® SUPERTERM 32			
1.2 Relevant identified uses of the mixture	Refrigerator compressor oil The use of this product should be in accordance with guidelines for safe handling in safety data sheet			
Relevant identified uses advised against	Not known			
1.3. Details of the Supplier(address and phone number) of SDS	PRISTA OIL HOLDING EAD 46 Treti Mart Blvd., 7002 Ruse, Bulgaria Phone: + 359 82 82 69 40, e-mail:information@prista-oil.bg + 359 82 82 69 40			
Competent person e-mail	information@prista-oil.bg			
1.4. Emergency Telephone Number	Call 112 (Please note that the emergency numbers may vary depending upon the country of delivery though 112 remains valid as universal number) /Call your National Emergency Center/			
SECTION 2. HAZARDS IDENTIFICATION				
2.1 Classification of the substance or mixture - in accordance with Regulation (EC) № 1272/2008	Not classified as dangerous			
- Directive 67/548/EEC and Directive 1999/45/EC	This product is not classified as dangerous under the criteria of Directives 67/548/EEC or 1999/45/EC			
2.2 Label Elements				
Hazard pictogram(s)	None			
Signal word (s)	None			
Hazard statement (s)	None			
Precautionary statement (s)	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children.			
- Prevention	None			
- Response	None			
- Storage	None			
- Disposal	P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.			
Additional information on the label	EUH 210: Safety Data Sheet available on request Contains:			
2.3 Other hazards	The product does not contain any substance which meets the criteria for PBT and vPvB in accordance with Annex XIII.			
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS				
3.2 Mixtures				
Substance name	%, weight	REACH Registration №	EO/CAS №	Classification (EO) №1272/2008
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	< 100	01-2119474889-13-0000	276-738-4/ 72623-87-1	Not classified
Notes:				
1. This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test				
2. ECHA List Numbers do not have any legal significance; rather they are purely technical identifiers and are displayed only for information.				
3. For a full text of R- and H- phrases: See section 16				
SECTION 4. FIRST AID MEASURES				

<u>4.1 Description of First Aid Measures</u>	
<u>Inhalation</u>	Move to fresh air. Apply oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Get medical attention immediately.
<u>Skin Contact</u>	Wash contact areas with plenty of water and soap for several minutes. Remove contaminated clothing. If skin irritation or an allergic skin reaction develops, get medical attention.
<u>Eye Contact</u>	Flush eyes with plenty of clean water for several minutes. Get medical attention if eye irritation persists
<u>Ingestion</u>	DO NOT INDUCE VOMITING. Get immediate medical attention. Never give anything by mouth to an unconscious or convulsing person.
<u>Advice for first-aid providers</u>	When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. After providing first aid wash your exposed skin with soap and water.
<u>4.2 Most important symptoms and effects, both acute and delayed</u>	Prolonged inhalation of unusually high concentrations of product mist or vapours may cause nose and lung irritation, headache, nausea and drowsiness. Prolonged or repeated skin contact may produce allergic reactions such as redness, rash and dermatitis. Prolonged eye contact may cause irritation, redness and discomfort. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhoea may occur. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in pulmonary edema and chemical pneumonia.
<u>4.3 Indication of any immediate medical attention and special treatment needed</u>	Note to physicians: Treat symptomatically
SECTION 5. FIREFIGHTING MEASURES	
<u>5.1 Extinguishing Media</u>	
<u>Suitable extinguishing media</u>	Use water fog, dry powder, foam, carbon dioxide or sand.. 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.
<u>Unsuitable extinguishing media</u>	Water jet
<u>5.2 Special hazards arising from the substance or mixture</u>	Poisoning gases including carbon monoxide, carbon dioxide, sulphur and nitrogen oxides, smoke, and other products of incomplete combustion.
<u>5.3 Advice for firefighters</u>	
<u>Special protective equipment for firefighters</u>	Wear suitable protective equipment. Firefighters must use fire – resistant clothing, helmet with face shield, gloves, rubber boots and self-contained breathing apparatus for fires in confined spaces and poorly ventilated areas.
<u>Extinguishing procedures</u>	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. Use water to cool fire-exposed containers. Ensure escape path's available.
SECTION 6. ACCIDENTAL RELEASE MEASURES	
<u>6.1 Personal precautions, protective equipment and emergency procedures</u>	
<u>For non-emergency personnel</u>	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<u>For emergency responders</u>	Wear appropriate protective equipment and clothing during clean-up. Ventilate area If spilled in narrow, confined and poorly ventilated space.

	Evacuate people without adequate personal protective equipment.
<u>6.2 Environmental Precautions</u>	Prevent entry into sewers, waterways, soil, basements or confined spaces. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. In case of spill or uncontrolled release into sewers or soil, immediately inform the relevant regulation authorities.
<u>6.3 Methods and Material for Containment and Cleaning up</u>	Clean-up spill as soon as possible while following the requirements for exposure control/personal protection. Use sand and sawdust to clean. Use appropriate cleaning techniques such as absorption by fire resistant material or pumping.
<u>6.4 Reference to other sections</u>	See Section 8 for more information on personal protective equipment needed. See Section 13 for waste disposal practices.
SECTION 7. HANDLING AND STORAGE	
<u>7.1 Precautions for safe handling</u>	Wash hands before and after handling. Do not smoke. Avoid prolonged or repeated contact with skin. Avoid breathing of vapours.
<u>7.2 Conditions for safe storage, including any incompatibilities</u>	Warehouses and loading/unloading places must be designed according to the relevant regulations. Keep containers tightly closed when not in use. Avoid exposure to heat. Store under cover with adequate ventilation at ambient temperatures. Do not store in the vicinity of explosive substances, compressed, liquefied or pressurized gases, flammable liquids or oxidizing agents.
<u>7.3 Specific end use(s)</u>	In accordance with the relevant product specification
SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION	
<u>8.1 Control Parameters</u>	
<u>Occupational exposure limits</u>	TWA - 5 mg/m ³ of air for mineral oil mist averaged over an 8 hour daily exposure STEL - 10 mg/m ³ of air for mineral oil mist for short-term exposure (15 minutes)
<u>Biological limit values</u>	No exposure limits noted for the ingredients
<u>Recommended monitoring procedures</u>	Follow standard monitoring procedures
<u>DNEL</u>	Not available
<u>PNEC</u>	Not available
<u>8.2 Exposure control</u>	
<u>Appropriate engineering controls</u>	Adequate ventilation should be provided so that exposure limits are not exceeded. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne level below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<u>Individual protection measures, such as personal protective equipment</u>	Follow the good occupational and personal hygiene practices to control product exposures.
<u>Eye/face protection</u>	Goggles/face shields.
<u>Hand protection</u>	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. Neoprene gloves; time for wearing out the gloves material >30 minutes.
<u>Skin /Body protection</u>	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 skin reactions.
<u>Respiratory protection</u>	Under normal conditions, respirator is not normally required. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection
<u>Thermal hazards</u>	Not available

<u>Hygiene measures</u>	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
<u>Environmental exposure control</u>	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).
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES	
<u>9.1 Information on basic physical and chemical properties</u>	
Appearance	Liquid
Color	Yellow
Odour	Specific
Odour threshold	Not applicable
pH	Not applicable
Freezing/Pour point, °C	Minus 21
Initial boiling point and boiling range, °C	>350
Flash point, °C, COC	230
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or exposure limits	Not applicable
Vapour pressure	<10 Pa at 20°C
Vapor density (air=1)	>1
Relative density at 20°C, g/ml	0.843
Solubility	Soluble in organic solvents, insoluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature, °C	>350
Decomposition temperature, °C	Not applicable
Kinematic viscosity, cSt	6.1 cSt at 100°C , 32 cSt at 40°C
Explosive properties	None
Oxidising properties	None
<u>9.2 Other information</u>	Not available
SECTION 10. STABILITY AND REACTIVITY	
<u>10.1 Reactivity</u>	Not expected to enter into reactions.
<u>10.2 Chemical stability</u>	The product is considered chemically stable at normal storage and handling conditions.
<u>10.3 Possibility of hazardous reactions</u>	None known
<u>10.4 Conditions to avoid</u>	This product is normally stable at moderately elevated temperatures and pressures
<u>10.5 Incompatible materials</u>	Strong oxidizing agents
<u>10.6 Hazardous decomposition products</u>	None known
SECTION 11. Toxicological information	
<u>11.1 Information about exposure way</u>	
<u>11.1 Information about toxicological effects</u>	
<u>Acute toxicity</u>	Based on data available: the classification criteria are not met (based on data of base oils) LD50 oral (rats) >5000mg/kg (OECD 401) LD50 dermal (rabbits) >5000 (OECD 402). LC50 inhalation (rats) >5.53mg/L/4h (OECD 403)
<u>Skin corrosion/irritation</u>	Not expected to cause skin corrosion or irritation. Repeated or prolonged contact with skin may defat or dry the skin resulting in discomfort and dermatitis.
<u>Serious eye damage/irritation</u>	Not expected to cause serious eye damage or irritation. May cause eyes irritation. May cause minimal irritation or redness if accidental eye contact occurs.
<u>Respiratory or skin sensitization</u>	Not expected to be respiratory or skin sensitizer. Prolonged or

	repeated skin contact as from clothes wetted with material may cause dermatitis.
<u>Germ cell mutagenicity</u>	No data available to indicate product or any components present at levels greater than 0.1% are mutagenic or genotoxic.
<u>Carcinogenic</u>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Nota L – Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346
<u>Reproductive toxicity</u>	Do not content components classified as toxic for productivity.
<u>STOT-single exposure</u>	Not expected to damage specific target organs. Based on data for similar substances.
<u>STOT- repeated exposure</u>	Not expected to damage specific target organs. Based on data for similar substances.
<u>Aspiration hazard</u>	If material is misted or if vapours are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.
<u>Other information</u>	Risk of chemical pneumonia after aspiration.
SECTION 12. ECOLOGICAL INFORMATION	
<u>12.1 Toxicity</u>	This product is of relatively low toxicity - based on data of product components. LC ₅₀ (96 hours for fish) is > 100mg/l (OECD 203) EC ₅₀ (48h for crustaceans) is > 10 000mg/l (OECD 202) EC ₅₀ (72-96h for algae) > 100mg/l (OECD 201) NOEL/21 days for crustaceans is > 10mg/l (OECD 211) NOEL/21 days for algae > 100mg/l NOEL/10 min for microorganisms > 1.93 mg/l (DIN 38412, DIN 38409)
<u>12.2 Persistence and degradability</u>	This product is not readily biodegradable. Inherent biodegradability <10% after 28 days (OECD 301B)
<u>12.3 Bioaccumulative potential</u>	Log K _{ow} : Partition coefficient n-octanol/water for base oil. A Log K _{ow} > 3.0 indicates possible bioaccumulation.
<u>12.4 Mobility in soil</u>	Low, due to low water solubility. Spillage may penetrate the soil causing ground water contamination
<u>12.5 Results of PBT and vPvB assesment</u>	This product is not and does not contain any substance that is potential PBT or vPvB.
<u>12.6 Other adverse effects</u>	May form an oil film leading to deoxygenation of water and possible harmful effect on aquatic life
SECTION 13. DISPOSAL CONSIDERATIONS	
<u>13.1 Waste treatment methods</u>	Empty containers and contaminated absorbents must be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Always change used oils only at authorized places and shops. Dispose of in accordance with local regulations.
<u>Waste code</u>	EU waste code: 13 03 08*
SECTION 14. TRANSPORT INFORMATION	
<u>14.1 UN Number</u>	None
<u>14.2 UN proper shipping name</u>	Not applicable
<u>14.3 Transport hazard class(es)</u>	None
<u>14.4 Packing group</u>	Not applicable
<u>14.5 Environmental hazards</u>	
<u>ADR</u>	Not regulated as dangerous goods
<u>RID</u>	Not regulated as dangerous goods
<u>AND</u>	Not regulated as dangerous goods
<u>IATA</u>	Not regulated as dangerous goods
<u>IMDG</u>	Not regulated as dangerous goods
<u>14.6 Special precautions for user</u>	None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
SECTION 15. REGULATORY INFORMATION	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations	
1. Regulation (EC) № 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing 2. Regulation (EC) No 1907/2006 concerning REACH 3. Regulation (EU) 453/2010 concerning registration, evaluation, authorization and restriction of Chemicals (REACH) 4. Regulation (EC) 2073/2000 on substances that deplete the ozone layer 5. Regulation (EC) 850/2004 on persistent organic pollutants 6. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals 7. Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006	
15.2. Chemical safety assessment	Not available
SECTION 16. OTHER INFORMATION	
Revision information	SDS prepared according to Annex II of Regulation (EU) No.453/2010.
Revision by sections	New edition
Issue date	2015-06-01
List of abbreviations	
PBT	Persistent, Bioaccumulative, and Toxic
vPvB	very Persistent and very Bioaccumulative
LD50	Lethal Dose 50 (median concentration of a toxicant that will kill 50% of the test animals within a designated period)
LC50	Lethal Concentration 50 (concentration in water having 50% chance of causing death to aquatic life)
LE50	Lethal effective Dose 50
DMSO	Dimethylsulfoxide
DNEL	Derived no-effect level
PNEC	Predicted No Effect Concentration
NOAEL	No-Observed-Adverse-Effect Level
SCL	Specific Concentration Limit
Full text of any statements or R-phrases and H-phrases	
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	

End of safety data sheet