



<b>Section 1 - Chemical Product and Company Identification</b>			
<b>Product Name</b>	: POWER OIL TRANSFORMER OIL 10 BS X.		
<b>Chemical Family</b>	: Petroleum Distillate.		
<b>Chemical Formula</b>	: Not Applicable		
<b>CAS Number</b>	: 64742 - 53 - 6		
<b>Manufacturer</b>	: Apar Industries Limited , 18 T.T.C M.I.D.C Indl. Area , Rabale , Navi Mumbai, Thane Belapur Road , Thane – 400701. India.		
<b>Company Contact</b>	: Phone Number : + 91 - 22 - 27694756 / 27694757 Fax Number : + 91 - 22 - 27602692		
<b>EMERGENCY TELEPHONE NUMBER</b> : Apar Industries Limited : + 91 - 0 - 9833811132			
<b>Section 2 - Composition And Information On Hazardous Ingredients</b>			
Ingredient	CAS Number	Percentage	Hazardous
Severely Hydrotreated Naphthenic Petroleum Oil.	64742 - 53 - 6	99.6 to 99.92	No
Inhibitor	128 - 37 - 0	0.08 to 0.4	No
<b>Section 3 - Hazardous Identification</b>			
<b>Potential Health Effects</b>			
<b>Primary Entry Route</b> : Skin			
<b>Inhalation</b> : Inhalation of vapors or mist may be irritating to respiratory passages. Prolonged exposure May result in dizziness and nausea. Target Organ for mineral oil mist is lungs.			
<b>Eye</b> : Eye contact may result in slight irritation and redness.			
<b>Skin</b> : Short term contact with skin is unlikely to cause any problems ; excessive or prolonged and repeated contact and poor hygiene conditions many result in dryness, dermatitis, oil acne, cracking and defatting of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.			
<b>Ingestion</b> : May result in nausea or stomach discomfort.			
<b>Section 4 - First Aid Measures</b>			
<b>Eye Contact</b> : Flush eyes immediately with plenty of water 15 minutes or until irritation. If redness persists, seek medical help.			
<b>Skin Contact</b> : Wash thoroughly with soap wand water. Remove contaminated clothing . Reuse only after cleaning.			
<b>Inhalation</b> : Remove to fresh air. Assist breathing if necessary . Seek medical help.			
<b>Aspiration</b> : If there is any suspicion of aspiration into the lungs obtain medical advise.			
<b>Ingestion</b> : If swallowed , observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do induce vomiting.			
<b>Section 5 - Fire Fighting Measures</b>			
<b>Flash Point</b>	: > 140 °C	<b>Flash Point Method</b> : COC	
<b>Auto ignition Temperature</b>	: > 315°C		
<b>Lower Explosive Level (LEL)</b>	: Not determined	<b>Upper Explosive Limit ( UEL)</b> : Not determined	
<b>Flammability Classification</b>	: OSHA Class III-B Combustible Liquid		
<b>Extinguishing Media</b>	: Dry Chemical Powder, Foam, CO <sub>2</sub> and water or fog. Water may be used to cool below flash point.		
<b>Unusual Fire or Explosion Hazards</b>	: Do not use forced stream as this could cause fire to spread.		
<b>Combustion Products</b>	: Fumes, Smoke, and Carbon monoxide.		
<b>Fire-fighting Instruction and Equipment</b> : Use waste to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection ( positive pressure if available).			



<b>Section 6 - Accidental release Measures</b>	
<p><b>Spill / Leak Procedures</b> : Stop spill at source if possible without risk. Contain spill . Eliminate sources of ignition Spill area will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill.</p> <p><b>Spill to navigable Waters</b> : If this material is spilled into navigable waters and creates a visible sheen, it is reportable to Local Response Centre.</p>	
<b>Section 7 - Handling and Storage</b>	
<p><b>Handling and storage Precautions</b> : Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIB storage. Wash thoroughly after handling.</p> <p><b>Work / Hygienic Practices</b> : Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Take shower after work if general contact occurs. Remove oil-soaked and launder before reuse. Discard contaminated shoes and leather gloves.</p>	
<b>Section 8 - Exposure Controls / Personal Protection</b>	
<p><b>Engineering Controls</b> : Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposures limits.</p> <p><b>Eye / Face Protection</b> : Safety glasses or face shield where splashing is possible.</p> <p><b>Skin Protection</b> : Avoid prolonged and or repeated skin contact. If prolonged contact can not be avoided, wear protective gloves ( solvent resistant gloves) and clothing..</p> <p><b>Respiratory Protection</b> : Normally not required. Respirator should be used in areas where vapor concentration are excessive due to high temperatures or where oil misting occurs.</p>	
<b>Section 9 - Physical and Chemical Properties</b>	
<p><b>Appearance</b> : Clear, pale straw to yellow, Heavy liquid</p> <p><b>Odor</b> : Mild petroleum odor.      <b>Solubility in water</b> : Negligible .</p> <p><b>Specific Gravity</b> : 0.81 – 0.89      <b>pH</b> : Not applicable.</p> <p>(Water =1 )</p> <p><b>% Volatiles by volume @ 21°C (70°F)</b> : Nil      <b>Boiling Point</b> : &gt; 271°C</p> <p><b>Melting Point</b> : Not applicable      <b>Vapor Density (Air = 1)</b> : &gt; 5</p> <p><b>Vapor Pressure (mm Hg)</b> : 0.0059 mm Hg at 100°F</p> <p><b>Evaporation Rate</b> : Not applicable</p>	
<b>Section 10 - Stability and reactivity</b>	
<p><b>Stability</b> : Stable under ordinary conditions of use and storage.</p> <p><b>Polymerization</b> : Polymerization will not occur.</p> <p><b>Chemical Incompatibilities</b> : Strong oxidizers.</p> <p><b>Condition to Avoid</b> : Source of ignition</p> <p><b>Hazardous Decomposition Products</b> : Combustion may produce carbon monoxide and carbon dioxide.</p>	
<b>Section 11 - Toxicological Information</b>	
<p><b>Eyes Effects</b> : Minimal irritation on contact.</p> <p><b>Skin Effects</b> : Practically non – toxic if absorbed. May cause mild irritation with prolonged and repeated exposure.</p> <p><b>Acute Oral Effects</b> : Tests on similar material indicate low order of acute oral toxicity.</p> <p><b>Acute Inhalation Effects</b> : Low acute toxicity expected on inhalation.</p>	



<b>Section 12 - Ecological Information</b>	
<b>Environmental Fate</b>	: No information found.
<b>Environmental Toxicity</b>	: No information found.
<b>Section 13 - Disposal Considerations</b>	
Follow National , State and Local regulations. Not a RCRA hazardous waste if uncontaminated. If “used”, RCRA criteria must be determined. Do not flush to drain/storm sewer. If permitted incineration may be practical. Consider recycling.	
<b>Section 14 - Transport Information</b>	
<b>DOT Shipping Label</b>	: Not regulated by DOT
<b>Section 15 - Regulatory Information</b>	
<b>CERCLA/SARA :</b>	
<b>302/303/304 categories</b>	: Extremely hazardous substances : None
<b>311/312 categories</b>	: Immediate(acute) Health Effects : No Delayed (chronic) health effects : No Fire Hazards : No
<b>313 categories</b>	: Toxic Chemicals (40 CFR 372) : None
<b>Clean Air act</b>	: Hazardous Air Pollutants (HAPS) : None Ozone depleting Compounds (ODC) : None
<b>OSHA ( 29CFR 1910 )</b>	: This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200
<b>EPA/TSCA Inventory</b>	: The components of this product are listed on the EPA/TSCA inventory of chemicals CAS No: 64742 - 53 - 6
<b>Foreign Inventories</b>	: The components of this product are listed under the following inventories : <b>CANADA DSL No.: 64742 - 53 - 6</b> <b>European Union’s EINICS No. 265 - 158 - 7</b> <b>Koreas’a ECL No. KE - 12552</b> <b>Australia’s ACS No. 64742 - 53 - 6</b> <b>Philippines’PICCS - on list</b>
<b>Section 16 - Other Information</b>	
<b>Product Use</b>	: For insulation & Coolant media in Transformers.
<b>Hazard Rating</b>	<b>NFPA/HMIS Classification</b>
0 = Least 1 = Slight 2 = Moderate	Health = 1
3 = High 4 = Extreme	Fire = 1
	Reactivity = 0
<b>Prepared By</b> : SHE Department , Apar Industries Limited.	
<b>Date of Revision</b> : 12 <sup>th</sup> July , 2008.	<b>Revision Number</b> : 03

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