



### Section 1 - Chemical Product and Company Identification

|                                   |  |
|-----------------------------------|--|
| <b>Product Name</b>               | : POWEROIL TRANSFORMER OIL 1020 60 UT.   |
| <b>Chemical Family</b>            | : Petroleum Distillate.  |
| <b>Chemical Formula</b>           | : Not Applicable   |
| <b>CAS Number</b>                 | : 64742 - 53 - 6   |
| <b>Company Details</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<br>Fax Number : +91 - 22 - 27602692                                       |
| <b>EMERGENCY TELEPHONE NUMBER</b> | : Apar Industries Limited : + 91- 0 - 9833811132   |

### Section 2 - Composition And Information On Hazardous Ingredients

| Ingredient  | CAS Number     | Percentage | Hazardous |
|---|----------------|------------|-----------|
| Severely Hydrotreated Light Naphthenic Petroleum Oil. | 64742 - 53 - 6 | 99.92      | No        |
| Inhibitor   | 128 - 37 - 0   | 0.08       | No        |

### Section 3 - Hazardous Identification

|                                 |   |
|---------------------------------|---|
| <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.   |

### Section 4 - First Aid Measures

|                     |   |
|---------------------|---|
| <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. |

### Section 5 - Fire Fighting Measures

|  |   |                                      |                  |
|--|---|--------------------------------------|------------------|
| <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>  |   |   |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><b>Appearance</b></td> <td colspan="2">: Clear, pale straw to yellow, Heavy liquid</td> </tr> <tr> <td><b>Odor</b></td> <td>: Mild petroleum odor.</td> <td><b>Solubility in water</b> : Negligible .</td> </tr> <tr> <td><b>Specific Gravity</b><br/>(Water =1 )</td> <td>: 0.81 – 0.89</td> <td><b>pH</b> : Not applicable.</td> </tr> <tr> <td><b>% Volatiles by volume @ 21°C (70°F)</b></td> <td>: Nil</td> <td><b>Boiling Point</b> : &gt; 271°C</td> </tr> <tr> <td><b>Melting Point</b></td> <td>: Not applicable</td> <td><b>Vapor Density (Air = 1)</b> : &gt; 5</td> </tr> <tr> <td><b>Vapor Pressure (mm Hg)</b></td> <td>: 0.0059 mm Hg at 100°F</td> <td></td> </tr> <tr> <td><b>Evaporation Rate</b></td> <td colspan="2">: Not applicable.</td> </tr> </table> |   | <b>Appearance</b>                         | : Clear, pale straw to yellow, Heavy liquid |  | <b>Odor</b> | : Mild petroleum odor. | <b>Solubility in water</b> : Negligible . | <b>Specific Gravity</b><br>(Water =1 ) | : 0.81 – 0.89 | <b>pH</b> : Not applicable. | <b>% Volatiles by volume @ 21°C (70°F)</b> | : Nil | <b>Boiling Point</b> : > 271°C | <b>Melting Point</b> | : Not applicable | <b>Vapor Density (Air = 1)</b> : > 5 | <b>Vapor Pressure (mm Hg)</b> | : 0.0059 mm Hg at 100°F |  | <b>Evaporation Rate</b> | : Not applicable. |  |
| <b>Appearance</b>  | : Clear, pale straw to yellow, Heavy liquid |   |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <b>Odor</b>  | : Mild petroleum odor.                      | <b>Solubility in water</b> : Negligible . |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <b>Specific Gravity</b><br>(Water =1 )   | : 0.81 – 0.89                               | <b>pH</b> : Not applicable.               |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <b>% Volatiles by volume @ 21°C (70°F)</b>   | : Nil                                       | <b>Boiling Point</b> : > 271°C            |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <b>Melting Point</b>   | : Not applicable                            | <b>Vapor Density (Air = 1)</b> : > 5      |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <b>Vapor Pressure (mm Hg)</b>  | : 0.0059 mm Hg at 100°F                     |   |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <b>Evaporation Rate</b>  | : Not applicable.                           |   |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |
| <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>  |   |   |   |  |             |                        |   |  |               |                             |  |       |                                |                      |                  |                                      |                               |                         |  |                         |                   |  |



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| <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<br>Delayed (chronic) health effects : No<br>Fire Hazards : No   |
| <b>313 categories</b>  | : Toxic Chemicals ( 40 cFR 372 : None  |
| <b>Clean Air act</b>   | : Hazardous Air Pollutants (HAPS) : None<br>Ozone depleting Compounds (ODC) : None<br>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:<br><b>CANADA DSL No.: 64742 - 53 - 6</b><br><b>European Union’s EINICS No. 265 - 156 - 6</b><br><b>Koreas’a ECL No. KE - 12552</b><br><b>Australia’s ACS No. 64742 - 53 - 6</b><br><b>Philippines’PICCS - on list</b> |
| <b>Section 16 - Other Information</b>  |  |
| <b>Hazard Rating</b>   | <b>NFPA/HMIS Classification</b>  |
| 0 = Least 1 = Slight 2 = Moderate<br>3 = High 4 = Extreme  | Health = 1<br>Fire = 1<br>Reactivity = 0   |
| <b>Prepared By</b>   | : SHE Department , Apar Industries Limited.  |
| <b>Date of Revision</b>  | : 12 <sup>th</sup> March , 2009.   |
|  | <b>Revision Number : 04</b>  |

**Disclaimer :**

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