**PRODUCT DATA SHEET**

**PRODUCT:** EASTTO SYNQUENCH 330, 440

**INTRODUCTION:**

EASTTO SYNQUENCH fluids are a water soluble polymer quenchant for use in Induction and Flame hardening applications. It is a PAG based product and mixes easily with water to produce a quenchant which is instantly ready for use. The cooling rate of EASTTO SYNQUENCH can be varied by changing the concentration of the solution. It contains corrosion inhibitor to protect the parts from the corrosion.

**APPLICATION:**

- The heat treatment of carbon and alloy steels by flame, induction and submerged induction heating
- Non-ferrous metals such as titanium alloys, bronzes
- For quenching of Crankshafts, Half shafts and Starter ring gears
- Sensitive shapes or intricate geometry and alloys of different metallurgy

The cooling rate is controlled by adjusting the quench bath temperature or the rate of agitation.

**PERFORMANCE LEVEL:**

EASTTO SYNQUENCH fluids provide excellent performance when maintaining concentrations. The major make up requirement is water for the loss by evaporation.

**BENIFITS:**

- Eliminates the smoke, soot and residues common to oil quenchants
- Equipment maintenance and plant cleanliness are easier to achieve and maintain
- Resistant to bacterial growth
- Controlled hardness
- Uniform surface finish and minimum distortion
- Flexibility of quenching speed.

<table>
<thead>
<tr>
<th>TYPICAL PROPERTIES</th>
<th>EASTTO SYNQUENCH 330</th>
<th>EASTTO SYNQUENCH 440</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density at 30°C</td>
<td>1.05</td>
<td>1.10</td>
</tr>
<tr>
<td>Kinematic Viscosity at 40°C, cst</td>
<td>330</td>
<td>440</td>
</tr>
<tr>
<td>pH(Neat)</td>
<td>9.0</td>
<td>9.0</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Soluble</td>
<td>Soluble</td>
</tr>
</tbody>
</table>

**PACKING:** 210 kgs Drums

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These Characteristics are typical of current production while future production will confirm to EASTERN PETROLEUM PVT. LTD. Specification variation in these characteristics may occur.