

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:

EASTTO SYNQUENCH fluids can be used for

- 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 quenchant
- Equipment maintenance and plant cleanness are easier to achieve and maintain
- Resistant to bacterial growth
- Controlled hardness
- Uniform surface finish and minimum distortion
- Flexibility of quenching speed.

TYPICAL PROPERTIES	EASTTO SYNQUENCH 330	EASTTO SYNQUENCH 440
Density at 30 °C	1.05	1.10
Kinematic Viscosity at 40°C, cst	330	440
pH(Neat)	9.0	9.0
Solubility in water	Soluble	Soluble

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.

