

TENAXOL™ QUENCH ULTRA 2500

POLYMERIC QUENCHANT

▷ PRODUCT DESCRIPTION

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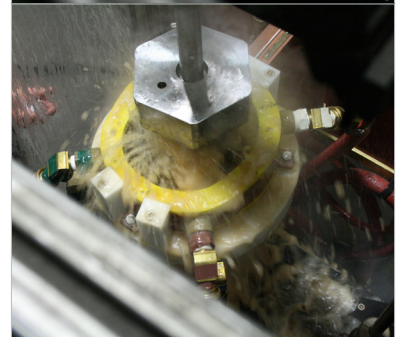
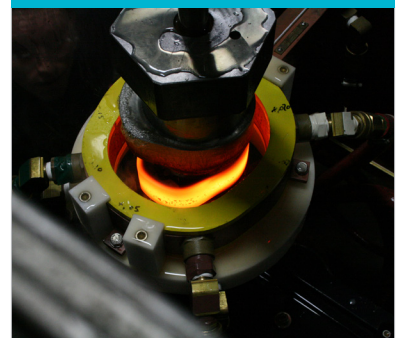
▷ FEATURED BENEFITS

- Tenaxol Quench Ultra 2500 is not tacky and there is a minimum of residue to remove prior to finishing operations.
- Minimizes replacement control because of its low deterioration and/or oxidation rate. The major make-up requirement is for water loss due to evaporation.
- Eliminates smoke, soot and residues common to oil based quenchant. Equipment maintenance and plant cleanliness are easier to achieve and maintain.
- Completely water soluble and has a built-in bactericide to resist biological infestation.
- Can be operated within a wide temperature range since the polymer employed is soluble and will not precipitate like other quenching polymers.
- Reduces drag-out of components because it is uniquely water soluble over a wide temperature range.

▷ PRODUCT APPLICATION

- Tenaxol Quench Ultra 2500 is readily adaptable to induction and flame hardening, both spray quench and immersion, for items such as gears, crankshafts, camshafts and other intricate geometries and metallurgies.
- Tenaxol Quench Ultra 2500 may follow either oxidative or protective atmosphere furnaces of shake, pit rotary or continuous design. They may be utilized for continuous case quenching and for general hardening of forged and cast steels and cast irons.
- Tenaxol Quench Ultra 2500 provides cooling rates in all three stages of quenching that are similar to that of medium to fast quench oils. These conditions, necessary for achieving maximum hardness in steel with minimum distortion or cracking, can be achieved.

APPLICATION



TYPICAL APPLICATIONS

- Induction quenching
- Open tank quenching
- Well suited for higher alloy/higher carbon steel such as:
 - 4340
 - 1080
 - 440 A, B, C SS



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TECHNICAL DATA



TYPICAL PROPERTIES

Weight, 68°F (20°C)	8.6 lbs/gal.
Specific Gravity, 68°F (20°C)	1.026
Rust Inhibition, ASTM D 665A	Pass
Refractometer Multiplier	6.5
pH (concentrate)	9 – 10
Viscosity, 100°F	220 – 250 cSt

PRODUCT CODE

6884300000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).