

Soluble Cutting Oil

META MAX

32/68



Product Description

Cutting fluids play a vital role in accelerating the production rate by enabling increased rates of metal removal, and by reducing or eliminating problems associated with severe and hazardous machine operations. Meta max oil gives white emulsion with antibacterial chemicals, coupling agents and additives controlling rust and corrosion. Meta max is suitable for all metals and machinery operations where emulsifying oils are generally used for cooling.

Benefits

Meta Max provides the following benefits when used as recommended:

- Significantly reduces odors, both in fresh system charges and in continued use. Exceptionally resistant to bacteria, mold and fungus and remains clean and odor free for extended periods.
- Leaves a soft, non-tacky film to prevent problems with chucks, fixtures, tool holders and ways.
- A low foaming product in all water conditions. Drastically reduces the formation of hard water soaps and soap residues. This enables a longer fluid working life by minimizing component depletion and preserving the corrosion protection package.
- Mixes easily with water forming a very stable emulsion.

Application

Meta Max is suitable for all metals and machinery operations where emulsifying oils are generally used for cooling. It is also recommended in turning, drilling, grinding, boring and milling operations. For stable emulsion, oil should always be added to water and not vice versa, with continuous stirring. Mostly 5% ratio is used.

Protection from rust and corrosion, does not contain ingredients harmful to operation.

Properties

Meta Max is a high performance cutting and grinding soluble oil fortified with extreme pressure additives for outstanding performance. It provides long term worry free sump life and superior control against foul odor. It forms a stable emulsion that resists tramp oil contaminations.

Typical Characteristics

| Meta Max | 32 | 68 |
|---|--------|--------|
| Specific Gravity @ 15°C | 0.8750 | 0.8850 |
| Corrosion | 0/1-1 | 0/1-1 |
| Emulsion Stability (400ppm) - Oil, ml | NIL | NIL |
| Emulsion Stability (400ppm) - Cream, ml | NIL | NIL |
| Viscosity at 40 °C, cSt | 32.5 | 68.50 |
| Rust Prevention Breakpoint | 20:1 | 20:1 |
| pH of Emulsion | 9.30 | 9.30 |

Typical physical characteristics of Meta Max are given in the table. These are intended as a guide to the industry and are not necessarily manufacturing or marketing specifications.

Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Emarat lubricants sales office, or via the Internet on www.emarat.ae