



TECHNICAL DATA SHEET

Coolant CS-50E

Description

A novel, fully synthetic, high performing water mix cutting fluid, containing lubricity additives to give this product superb machining characteristics, outperforming neat oils and highly chlorinated soluble oils.

Coolant CS-50-E is designed to be used for a wide range of operations including:

- Cutting
- Deep Hole Boring
- Centreless Grinding
- Turning
- Gear Cutting
- Surface Grinding
- Milling
- Broaching
- Cylindrical Grinding
- Threading
- Roll Tapping
- Creep Feed Grinding

Coolant CS-50E is designed for difficult to machine materials and alloys such as:

- Ferrous Metals
- Titanium Alloy
- Stainless Steel
- Plastic
- Aluminium Alloys
- Inconel Alloy

Coolant CS-50E is free from the following:

- Boron
- Chlorine
- Formaldehyde
- Methylisothiazolinone (MIT)
- Mineral Oil
- Benzisothiazolinone (BIT)

Coolant CS-50E is has been developed to perform the following functions:

- Bacterial Control
- Long Sump Life
- Low Foam in Soft Water
- Reduced Sticky Deposits
- Micro Organism Control
- Improved Tool Life
- Operator Friendly
- Excellent Visibility
- Exceptional Machining
- Excellent Surface Finish
- Excellent Corrosion Protection
- Operate in water from 50-450ppm

Coolant CS-50E has the following properties in emulsion form:

- Appearance: Translucent
- PH @5%: 8.8
- IP287 Pass %: 2.0
- Refractometer Factor: 1.5

Coolant CS-50E has the following properties in emulsion form:

- General Machining: 4 – 6%
- Roll Tapping: 10 – 20%
- Broaching: 6 – 8%
- Creep Feed Grinding: 4 – 5%

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