

# JoshCool Semi

100 Water Soluble Cutting Oil - Semi-Synthetic

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## Product Description

JoshCool Semi is a premium Semi-Synthetic (Mineral + Synthetic Esters) Water Soluble Cutting Oil - Semi-Synthetic designed for High-speed CNC machining, turning, milling of multi-metals. Meets ISO 6743-7 MAG/MHS specifications and delivers exceptional performance in demanding conditions.

## Technical Specifications

Appearance (Concentrate)	<b>Amber transparent liquid</b>
Appearance (Emulsion 5%)	<b>Translucent/milky</b>
Density at 15°C	<b>1.02 g/cm<sup>3</sup></b>
pH Value (5% Emulsion)	<b>9.0-9.5</b>
Refractometer Factor	<b>1.5</b>
Recommended Dilution	<b>3-8%</b>
Emulsion Stability	<b>Excellent - micro-emulsion</b>
Corrosion Protection (IP 287)	<b>Pass Grade 0</b>
Hard Water Stability	<b>Up to 600 ppm</b>
Foam Test (ASTM D892)	<b>5 ml max</b>
Biostability	<b>Excellent - 8-12 weeks sump life</b>
Residue on Evaporation	<b>Low - clean operation</b>
Mineral Oil Content	<b>25-35%</b>

## Applications

High-speed CNC machining, turning, milling of multi-metals

## Performance Standards

ISO 6743-7 MAG/MHS

## Handling & Storage

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Shelf life: 36 months from date of manufacture
- Do not mix with other lubricants