

JoshCool Semi

200 Water Soluble Cutting Oil - Semi-Synthetic

Product Description

JoshCool Semi is a premium Semi-Synthetic (Mineral + Synthetic Esters) Water Soluble Cutting Oil - Semi-Synthetic designed for Multi-metal machining (aluminum, steel, cast iron), CNC turning centers. Meets ISO 6743-7 MAG/MHS specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance (Concentrate)	Clear amber liquid
Appearance (Emulsion 5%)	Translucent
Density at 15°C	1.03 g/cm³
pH Value (5% Emulsion)	9.0-9.4
Refractometer Factor	1.6
Recommended Dilution	3-6%
Emulsion Stability	Excellent - micro-emulsion
Corrosion Protection (IP 287)	Pass Grade 0
Aluminum Staining Test	Pass - no staining
Hard Water Stability	Up to 700 ppm
Foam Test (ASTM D892)	5 ml max
Biostability	Excellent - 10-14 weeks sump life
Residue on Evaporation	Very low
Mineral Oil Content	20-30%

Applications

Multi-metal machining (aluminum, steel, cast iron), CNC turning centers

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