

JoshCool Syn

500 Water Soluble Cutting Oil - Full Synthetic

Product Description

JoshCool Syn is a premium Full Synthetic (Oil-Free) Water Soluble Cutting Oil - Full Synthetic designed for Precision grinding, light machining, superfinishing, glass/ceramic grinding. Meets ISO 6743-7 MHS specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance (Concentrate)	Clear green/blue liquid
Appearance (Diluted 3%)	Clear solution
Density at 15°C	1.08 g/cm³
pH Value (3% Solution)	9.0-9.5
Refractometer Factor	2.0
Recommended Dilution	2-5%
Solution Stability	True solution - no separation
Corrosion Protection (IP 287)	Pass Grade 0
Hard Water Stability	Up to 800 ppm
Foam Test (ASTM D892)	Nil
Biostability	Outstanding - 12-16 weeks sump life
Residue on Evaporation	Minimal
Mineral Oil Content	0%
Filter Life	Extended - no oil separation

Applications

Precision grinding, light machining, superfinishing, glass/ceramic grinding

Performance Standards

ISO 6743-7 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