

JoshCool Syn

700 Water Soluble Cutting Oil - Full Synthetic HP

Product Description

JoshCool Syn is a premium Full Synthetic with Performance Additives Water Soluble Cutting Oil - Full Synthetic HP designed for Multi-purpose synthetic for ferrous and non-ferrous metals, demanding CNC applications. Meets ISO 6743-7 MHS/MHC specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance (Concentrate)	Clear amber liquid
Appearance (Diluted 4%)	Clear/slight haze
Density at 15°C	1.06 g/cm³
pH Value (4% Solution)	9.0-9.4
Refractometer Factor	1.9
Recommended Dilution	3-6%
Solution Stability	Excellent
Corrosion Protection (IP 287)	Pass Grade 0
Aluminum Staining Test	Pass - no staining
Hard Water Stability	Up to 900 ppm
Foam Test (ASTM D892)	5 ml max
Biostability	Outstanding - 16-24 weeks sump life
Residue on Evaporation	Low
Mineral Oil Content	0%
Lubricity Enhancement	Synthetic ester-based

Applications

Multi-purpose synthetic for ferrous and non-ferrous metals, demanding CNC applications

Performance Standards

ISO 6743-7 MHS/MHC

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