

DISCRIPTION

CUTTING FLUID LIFE SYNTHETIC Technology is a high-performance, water-soluble metalworking fluid formulated with advanced synthetic additives. It provides superior cooling, cleanliness, and corrosion protection for a wide range of machining and grinding operations on ferrous and non-ferrous metals.

CUTTING FLUID LIFE SYNTHETIC is a premium-quality, fully synthetic cutting fluid designed to deliver exceptional performance in modern machining operations. Formulated with advanced synthetic chemistry, it forms a clear or semi-transparent solution when mixed with water, ensuring excellent visibility of the workpiece during machining.

The product offers outstanding cooling properties, effectively dissipating heat generated during high-speed operations, while maintaining sufficient lubrication to reduce tool wear and improve machining efficiency. Its clean-running formulation minimizes residue formation, helping to keep machines, tools, and components clean. CUTTING OIL – Synthetic Technology provides excellent resistance to bacterial growth, resulting in extended fluid life and reduced odor. It delivers reliable corrosion protection for machine tools and components, even in challenging water conditions.

APPLICATION

- Grinding operations
- High-speed machining
- Light to medium-duty machining
- CNC machining and precision operations
- Suitable for use on:
 - 1). Ferrous metals (iron and steel)
 - 2). Non-ferrous metals (aluminum, copper, and alloys)
- Recommended for central systems and individual machines

BENEFITS

- Excellent cooling performance for high-speed operations
- Clean-running formulation with minimal residue
- Improves tool life and machining efficiency
- Excellent visibility due to clear solution
- Extended sump life with strong resistance to bacterial growth
- Effective corrosion protection for machines and components
- Low foaming characteristics
- Free from mineral oil, nitrites, phenols, and chlorine
- Reduced maintenance and disposal costs

PRODUCT DATA SHEET



AVAILABILITY

Packaging: 1Q, 1L, 4Q, 4L, 5Q, 5L, 18L, 20L, 25L, Drums, IBC.

Specification

Test Parameter	Units	Test Limits	Test Method
Appearance	-	Clear to Light Amber	Visual
Density @ 15°C	Kg/m ³	1.02 – 1.08	ASTM D-4052
Dilution Appearance	-	Clear	Visually
pH Value (5% dilution)	-	8.8– 9.5	-
Corrosion test	-	Pass	IP 125
Foaming Tendency	%	Low	ASTM D892
CODE		1003/6	

CUTTING FLUID LIFE
SYNTHETIC