

Semi Synthetic Cutting Fluid HX (CNC)

This is a water-miscible, emulsifiable, semi-synthetic biostable coolant designed for use in all metal machining operations.

Usage

In the rough and precision machining of metal materials, single and multi-head automatic or CNC machines used in miscible EP (extreme pressure) general-purpose semi-synthetic coolant.

Usage Instruction:
The grinding of 3%, 5% in cast metal removal, semi-formed emulsion is mixed with water in a transparent color 7% in heavy metal removal. However, the system is used in the emulsion of milk image takes form. It should be added slowly into water that is not very hard/soft and the mixture concentration should be checked with a refractometer. It shows suitability in the preparation of emulsions by using suitability water up to 20 °dH water hardness.

Features

Skin Harm Specification: Nitrite, nitrate, secondary amines, polynuclear, do not contain harmful chemicals such as hydrocarbons. It does not damage the skin.

Stable Emulsion Creation Feature: Semi-synthetic structure with water easily in all proportions is mixed, affected by hard water. Emulsion stability is high.

End of Life Extension Feature Machine: In the foundry machining, the buckling is kept within the graphite is gray. graphite filled in the emulsion provides a significant positive contribution to the ends of life by providing extra lubricity and binding.

Excellent Cooling Feature: With stable emulsion formed with water, which makes it perfect cooling duty.

High-Performance Processing: With additive system in the content provides high precision machining performance.

Long Lifetime: Lifetime of the semi synthetic structures, the activity is higher compared to the conventional oil.

High-Rust and Corrosion Protection: In hard water against corrosion thanks to the high pH stability even provide excellent protection. Paint does not hurt.

Technical Specifications

Appearance	Visual	Green
Emulsion Appearance	Visual	Light Green, Transparent
*Denstiy @15°C g/ml	ASTM D 4052	0,9951
*Kinematic Viscosity @40°C, cSt	ASTM D 445	100
Refractometer Factor	Hand Refractometer	1,8
*5% Emulsion, pH	ASTM D 1287	9,3
*Copper Strip Corrosion 3h, @100°C	ASTM D 130	1b
*3% Emulsion, Corrosion Test, 5-10°dH, 20°F	IP125 / DIN51360/2	0 - 0
*5% Emulsion, Foaming Stability, 10°dH	IP312	0 - 0
*5% Emulsion Stability, 20°dH	IP263	0 - 0

**Data given above are typical properties and may vary slightly.*

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