Mobil

Mornop 80

Mobil Industrial , Austria

Neat metalworking fluids

Product Description

Mobil Mornop™ 80 is a high performance, water-immiscible coolant on a special basis refined petroleum base oil. It is designed primarily for cutting (stamping), drawing, die cutting and chip-free forming of structural, alloy and high-alloy steels.

Mobil MORNOP 80 has a high amount of load carrying additives in combination with effective lubricity improvers, anti-mist agents, and tackifiers blended with high quality mineral oil. The additive used ensures reliable protection of both tools and workpieces.

Although the active sulfur and phosphorus compounds contained in the product tend to discolour parts of machines and copper workpieces and copper alloys.

Mobil MORNOP 80 does not contain chlorine additives and is blend with special additives to reduce the formation of mist in the workplace.

Features and Benefits

Features	Advantages and Potential Benefits
Superb machining performance	Suitable for severe punching operations
	Carefully balanced additive system gives high cutting efficiency.
	High additive content provides long tool life for cost-efficient operations
Chlorine free formulation	Environmentally acceptable due to absence of any chlorinated additives
Anti-mist formulation	Reduced formation of oil mist leads to cleaner working environment

Applications

Mornop 80 is a special product for severe punching operations on steel. Depending on the alloy, punching can be performed on sheets up to 7 mm thickness. Mornop 80 can also be used for deep-drawing operations on mild steel.

Due to its content of active sulphur compounds Mornop 80 should not be used for operations on non-ferrous metals.

*Sheet steel products USt 14 up to 3 mm sheet thickness, which are produced by drawing up to 10 degrees, final dimensions approx: diameter 70 mm, length 100 to 150 mm.

· For punching of alloy and unalloyed steel sheets with a thickness of less than 3mm.

· For punching and deep drawing semi-finished products for sheet metal chains up to 7 mm thick.

Properties and Specifications

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	88
Density @ 15 C, kg/m3, ASTM D4052	940
Pour Point, °C, ASTM D97	-15
Flash Point, Cleveland Open Cup, °C, ASTM D92	165

Property	
ASTM Color, ASTM D1500	3.5
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	4

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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EXXONMOBIL LUBRICANTS & SPECIALTIES EUROPE, A DIVISION OF EXXONMOBIL PETROLEUM & CHEMICAL, BVBA (EMPC)
POLDERDIJKWEG
B-2030 Antwerpen
Belgium

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