

DIVYOL SOLUBLE CUTTING COOLANT – BIOSYNTH MA

Applications:

Divyol Biosynth MA is a semi-synthetic cutting oil for use on ferrous, non-ferrous and alloy metals. It is widely considered an efficient coolant for turning, milling, grinding and various other operations involving cast iron.

Advantages:

Divyol Biosynth MA offers a significant number of benefits compared to conventional mineral based cutting oils. Besides being effective as lubricant and coolant for a good duration, it is also user-friendly: if the operator's hand comes in contact with the oil, it causes no itching. Being of synthetic blend, it also resists bacterial degradation, prevents rusting (especially on ferrous components) and ensures stable emulsion for a reasonably long period, even in hard water (of up to 500 ppm hardness). There is no unpleasant odour or discoloration of the emulsion. Its good EP properties enable superior surface finish, whereas mineral based products have been found wanting due to inadequate flushing. It also has good anti-foaming properties and reduces machine downtime. Lastly, they are nitrite free making them eco-friendly.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Biosynth MA
1	Appearance	Visual	Bright and clear
2	Colour	ASTM D 1500	Brownish
3	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	70
4	PH 3% solution in T/W	ASTM D	9.50
5	Cast iron corrosion	IP:125	Complies
6	Emulsion stability 3% solution	ASTM D 1479	Complies

The above properties are typical values and do not constitute specification of the product.

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