

DIVYOL SOLUBLE CUTTING OIL – SYNTH CUT HEAVY / LIGHT COOLANT

Applications:

Divyol Synth Cut Heavy and Light are synthetic coolants suitable for grinding ferrous metals, especially cast iron. However, their use with cupric alloys should be avoided.

Cleanliness essential: before introducing Divyol Synth Cut Heavy/Light solution into a new system, the system should be thoroughly cleaned of all impurities and flushed with a mixture of 80% water and 20% Divyol Synth Cut Heavy/Light. These Oils form a translucent solution. These synthetic, water soluble coolants are fast becoming popular choice in the engineering industry because of their superior rust preventive properties as compared to mineral oil-based coolants.

Advantages:

Divyol Synth Cut Heavy and Light coolants provide excellent cooling and lubrication of the grinding system. They also protect ferrous components from rusting, thus reducing machine down time. The blends, being synthetic, are able to resist bacterial degradation, thus ensuring a stable emulsion for a longer period, even in hard water. There is also no discoloration or unpleasant odour from the emulsion. Divyol Synth Cut Heavy and Light coolant fluids are not only efficient and user-friendly, they are also eco-friendly.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Synth Cut	
			Heavy	Light
1	Appearance	Visual	Bright and clear	Bright and clear
2	Copper corrosion at 100 °C for 3 hrs. max.	ASTM D 130	1a	1a
3	Odour	-	Acceptable	Acceptable
4	Sulphated Ash % Wt	-	0.94	0.90
5	pH 3% emulsion	-	8.7	8.5
6	Cast iron corrosion	IP:125	Complies	Complies

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

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