



## Synthetic Soluble Cutting Coolant

PRODUCT DATA SHEET

The use of synthetics as water soluble coolants is gradually becoming prominent in the engineering industry. Their rust preventive properties are far superior to mineral based products making them the first choice of the users.

**Divyol Synth Cut Heavy & Light** is a synthetic coolant ideal for grinding operations involving cast iron. Mild EP properties help the product in providing superior surface finish where the mineral based products have been found wanting due to inadequate flushing.

Besides the above, synthetics resist bacterial attacks thus providing extended emulsion life. The problems associated with bacterial degradation, bad odour and decolourisation of emulsion including its breaking are all overcome with the use of **Divyol Synth Cut Heavy & Light**. It is a nitrite free product making it eco-friendly and has been found ideal for grinding ferrous metals. Its use with cupric alloys should however be avoided.

**System Cleanliness:** Before introducing Divyol Synth cut Heavy & Light solution in a new system, it should be thoroughly cleaned of all impurities and flushed with a mixture of one part of **Synthcut Heavy & Light** with 80 parts of water.

### Typical Specifications of Divyol Synth Cut Heavy / Light:

Characteristics	Test Methods	Heavy	Light
Appearance	Visual	Bright & Clear	
Copper Corrosion at 100°C for 3 hours	ASTM D - 130	1a	1a
Odour		Pleasant	Pleasant
Sulphated Ash % Wt.		0.94	0.90
Specific Gravity @ 30°C	ASTM D - 1298	1.015	1.013
pH 3% Emulsion		8.7	8.5
Cast Iron Corrosion	IP - 125	Passes	Passes

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**QMS 9001:2015, EMS 14001:2015, OHSAS 18001:2007, NABL Accreditation, GMP Certified and Government Recognised Three Star Export House**

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