

Balmerol[®] Synthform PAT

Mineral Oil Free Coolant

Technical Data Sheet

Product Description:

Balmerol Synthform PAT is a new generation mineral oil free coolant, which contains high performance lubricity and extreme pressure additives. Balmerol Synthform PAT is a rationalised product that performs over a wide range of operations including Steel Tube rolling.

Features & Benefits:

Balmerol Synthform PAT provides the following benefits:

- Good corrosion protection
- Transparent solution that offers good visibility during operation
- Long sump life
- Good skin compatibility
- Optimum wetting
- Free of nitrite, secondary amines, phenols, and heavy metals.
- Low foaming
- Good hard water stability

Applications / Recommendations:

- Balmerol Synthform PAT can be applied 3 – 5 % in water
- To be stored under proper sealed condition, below 45° C

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Typical Properties:

Balmerol Synthform PAT	
Properties	Synthform PAT
Appearance	Amber to Yellow liquid which forms yellowish green solution with water
Density @ 29.5°C, g/ml, ASTM D 1298	1.10 ± 0.05
pH of emulsion @ 5% in water, pH meter	9.2 - 9.6
Corrosion test with grey cast iron chips, 5% in hard water : 200 ppm hardness as CaCO ₃ , IP 287	0,0
Solubility in water, visual	Soluble in all proportions
Refractometer factor	2.0
Reserve Alkalinity, min, Inhouse method	200

Health and Safety:

Balmerol Synthform PAT is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. For MSDS please contact your local Balmer Lawrie Marketing / Technical Service team.

For Further Information, contact:

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