

# Balmerol<sup>®</sup> Synthcut GR

## Synthetic Water Soluble Cutting and Grinding Fluid

Technical Data Sheet

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### Product Description:

Balmerol Synthcut GR is a mineral oil-free water-soluble synthetic cutting and grinding fluid containing specialty additives that impart superior performance characteristics to the product. Perfect balance between lubricity and cooling properties makes Balmerol Synthcut GR work efficiently for roll grinding, which helps to achieve the desired surface finish. Balmerol Synthcut GR is soluble in water in all proportions, to form a clear transparent micro emulsion.

### Features & Benefits:

Balmerol Synthcut GR is especially formulated to provide following benefits:

- Compatible with machine parts
- Resistant to microbial attack
- Good lubricity and Cooling property
- Low foaming
- Leaves no sticky residues
- Good wetting and flushing properties.
- Operator friendly
- Good corrosion protection

### Applications / Recommendations:

- Recommended for grinding and light machining of steel
- Recommended concentration for normal machining operations is 5 – 10 %
- Recommended concentration for Grinding operation is 2 – 4 %

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### Typical Properties:

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Properties	Synthcut GR
Appearance	Clear
Density @ 29.5°C, g/ml, ASTM D 1298	1.1 ± 0.05
pH of 3% emulsion in DW	9.9 ± 0.3
Emulsion stability at 5% in 400 ppm Hard Water	Stable
Corrosion Test (chip/filter test) 3%, IP 287	0,0
Refractometer factor	1.5-2.5

### Health and Safety:

Balmerol Synthcut GR 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:

**Balmer Lawrie & Co. Ltd.**  
SBU: Greases & Lubricants (G&L) Division  
P- 43, Hide Road Extension  
Kolkata: 700088  
www.balmerlawrie.com