

# Balmerol<sup>®</sup> Protohon 14

## High Performance Honing Oil

Technical Data Sheet

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### Product Description:

Balmerol Protohon 14 is based on low viscosity, highly refined mineral oil, fortified with polar compounds & special additives. Balmerol Protohon 14 has good heat transfer property to cool effectively under high speed conditions. Balmerol Protohon 14 is compatible with all metals like Steel, Cast Iron and Aluminium.

### Features & Benefits:

Balmerol Protohon 14 is especially formulated to provide following benefits:

- Very stable formulation provides long operational tool life with consistent performance
- Protects machine and tool surfaces and improve surface finish
- Fast wetting, to get the fluid to the point of cut and fully coat the work piece and chips for superior corrosion prevention
- Has good cooling effect
- Rationalized product for honing and grinding
- Low misting
- Free from Chlorine & Zinc
- Operator and Environment friendly products

### Applications / Recommendations:

Balmerol Protohon 14 is particularly recommended for honing application. It is suitable for drilling, grinding including carbide grinding and other machining operations where low viscosity oil is required.

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### Typical Properties:

Balmerol Protohon	
Properties	Protohon 14
Appearance	Clear
Density at 29.5 °C, gm/ml, ASTM D 1298	0.84 ± 0.01
Kinematic Viscosity, cSt @ 40°C, ASTM D 445	5.5 ± 1
Flash Point, °C, min, ASTM D 92	120
Copper Strip corrosion, ASTM D 130	1a

### Health and Safety:

Balmerol Protohon 14 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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