

Balmerol[®] Protohon Series

High Performance Honing and Grinding Oils

Technical Data Sheet

Product Description:

Balmerol Protohon Series Oils are based on low viscosity highly refined mineral oils, fortified with polar compounds & special additives. The oils have good heat transfer property to cool effectively under high speed condition. Balmerol Protohon Series Oils are compatible with all metals like Steel, Cast Iron, and Aluminium.

Features & Benefits:

Balmerol Protohon Series oils are especially formulated to provide following benefits:

- Very stable formula 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
- It has a good cooling effect
- Rationallised product for honing and grinding
- Low misting
- Free from Chlorine & Zinc
- Operator and Environment friendly products

Applications / Recommendations:

Selections of Protohon 14 & 15 are guided by factors like materials of tool, desired surface finish, filtration system available, etc.

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Typical Properties:

Balmerol Protohon		
Properties	Protohon 14	Protohon 15
Kinematic Viscosity, cst @ 40°C, ASTM D 445	4 - 6	5 - 7
Flash Point, °C, min, ASTM D 92	125	135
Specific Gravity, ASTM D 1298	0.83	0.82
Copper Strip corrosion, ASTM D 130	1b	1b

Health and Safety:

Balmerol Protohon Series Oils are 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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