

Balmerol[®] Balmocut SS 40

Premium Semi-Synthetic Cutting and Grinding Fluid

Technical Data Sheet

Product Description:

Balmocut SS 40 is a water-soluble oil with low content of highly refined mineral oil, primarily designed for grinding and light machining of steel and Aluminium. Balmocut SS 40 produces a stable translucent emulsion when mixed with water. Balmocut SS 40 is free of restricted ingredients, eg chlorine, phenol, nitrites etc

Features & Benefits:

Balmerol Balmocut SS 40 is especially formulated to provide following benefits:

- High emulsion life offers better economy over conventional oils
- Excellent emulsion stability results lower oil consumption
- Good corrosion protection
- Low foaming
- Operator friendly
- Good surface finish of worked components
- Flushes out chips and grinds with high efficiency, causing better maintainability of emulsion

Applications / Recommendations:

- Recommended for all grinding and light machining operations on steel and Aluminium
- Recommended concentration for light machining operations is 5 – 7 %
- Recommended concentration for Grinding operation is 3 – 5 %
- Shelf life of Balmocut SS 40 is 6 months, under sealed condition

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Typical Properties:

Balmerol Balmocut SS 40	
Properties	Balmocut SS 40
Appearance	Clear
Density @ 29.5°C, g/ml, ASTM D 1298	0.98 ± 0.01
pH of 3% emulsion in DW @ 5%, pH meter	9.2 ± 0.1
Emulsion stability at 5% in 400 ppm Hard Water	Stable
Corrosion Test (chip/filter test) @ 5% in 200 ppm Hard Water for 2 hrs, IP 287	0,0
Refractometer factor, % v/v	1.75-2.0

Health and Safety:

Balmerol Balmocut SS 40 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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