

# Balmerol® Synthpress 1000

## Biodegradable Sugar Mill Lubricant

Technical Data Sheet

### Product Description:

Balmerol Synthpress 1000 is formulated with synthetic organic esters which provides desired lubricity/load bearing ability for journal bearings and crown wheels in sugar press. The product is free from any solid lubricants, heavy metals and chlorinated compounds. This formulation package provides excellent protection against metal to metal contact by forming a strong film on the metal surface and lower the operating temperature of frictional parts which improves tool life.

### Features & Benefits:

Balmerol Synthpress 1000 provides the following benefits:

- Excellent lubrication
- Excellent Anti-wear leads to less wear and tear of equipment's parts
- Less down time of equipment
- More productivity
- Bio-degradable as per OECD 301 B
- Wide operating temperature range (-) 5 °C to (+) 150 °C

### Applications / Recommendations:

- For best performance, Balmerol Synthpress 1000 can be safely pumped or sprayed through automatic lubrication system.
- Balmerol Synthpress 1000 has been designed to lubricate Journal bearings, Transmission brasses, Crown wheels, Crystallizer transmission gears and Rotating dryer gears

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### Typical Properties:

Balmerol Synthpress 1000	
Properties	Synthpress 1000
Colour & Appearance	Amber Liquid
Specific Gravity @ 30°C	0.93 - 0.95
Kinematic Viscosity, cSt @ 100 °C, ASTM D 445	600 - 800
Flash Point, (COC), °C, ASTM D 92	> 240
Copper Strip Corrosion, ASTM D 4048	1b
Four Ball Weld load, kgs, ASTM 2596	> 800
FZG Test (A/2.76/50), DIN 51354	> 12
Evaporation Loss @ 100 °C, % by wt, ASTM D 5800	< 2.0

### Health and Safety:

Balmerol Synthpress 1000 Oil 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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