

# **Balmerol<sup>®</sup> Synth Moldol 46**

## **Synthetic Mould Release Oil For Ferrous and Non-Ferrous Metals**

Technical Data Sheet

### **Product Description:**

Balmerol Synth Moldol 46 is a synthetic ester based mould release oil, especially designed for lubrication of mould during continuous or batch wise casting of ferrous and non – ferrous billets.

Balmerol Synth Moldol 46 has excellent boundary lubrication property because of its inherent chemical structure which enhances life of the mould and its efficiency. The product can be disposed off without any environmental concern.

Balmerol Synth Moldol 46 is also an ideal synthetic biodegradable and eco-friendly substitute, where agro - based rape seed oil is used as mould release oil during casting.

### **Features & Benefits:**

Balmerol Synth Moldol 46 provides the following benefits:

- Excellent boundary lubrication property, better mould life
- Low smoke generation
- Consistent quality
- No seasonal effect and dependent on crops

### **Applications / Recommendations:**

Balmerol Synth Moldol 46 can be applied by dripping or brushing.

**Storage:** Balmerol Synth Moldol 46 will be in liquid state under enclosed air tight container when the temperature is maintained below 30<sup>0</sup> C.

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### Typical Properties:

Balmerol Synth Moldol 46	
Properties	Synth Moldol 46
Flash Point (As per IP 35/45), °C minimum, ASTM D 92	300 ± 5
Density at 30 °C, gm/ml	0.910 - 0.925
Kinematic Viscosity cst @ 40°C, ASTM D 445	50 - 60
Viscosity Index, min, ASTM D 2270	175
Saponification Value (mg KOH/gm), ASTM D 94	170 -185
Water Content (as per IP 74/57), % maximum	0.1
Acid Value, mg KOH/gm, maximum, ASTM D 974	2

### Health and Safety:

Balmerol Synth Moldol 46 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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