



Performance | Sustainability | Technical Excellence | Commercial Scale

Innoleate[®] HMR (CAS# 141-23-1)

Innoleate[®] HMR is a methyl 12-hydroxystearate used in a variety of industrial applications. The product is effective in complexing lithium and specialty greases using continuous processing. Innoleate[®] HMR is also used in thermoplastics to aid in dispersing pigments for master batch manufacturing, as well as serving as a lubricant in PVC compounding. The product can also be used in rubber production as a vulcanization agent, anti-slip agent, and as a lubricant.

Product Performance Benefits

- Biodegradable
- Environmentally friendly
- Sustainable
- High thermal stability
- Lubricity
- Pigment affinity

Typical Properties

| Property | Units | Result |
|------------------------|------------------------|----------------------------|
| Appearance (Room Temp) | - | Solid off-white flakes |
| Appearance (55°C) | - | Clear bright yellow liquid |
| Color (ASTM) | - | 2.5 max |
| Color (Lovibond) | - | 1.5R/3.0Y |
| Saponification Value | mg KOH/g | 170-180 |
| Iodine Value | g I ₂ /100g | 5 max |
| Hydroxyl Value | mg KOH/g | 160-178 |
| Melt Point | °C | 45-53 |
| Total Acid Number | mg KOH/g | 10 max |

Applications

- Grease complexing
- Thermoplastics
- Rubber production
- Coatings
- Cosmetics

The concierge service provider of sustainable oleochemicals