



CHEMPOL 51810

Knitting Oil Emulsifier

PRODUCT DESCRIPTION

- ❖ Chempol 51810 is non-ionic soluble emulsifier additive for all type of fibers & textile knitting applications.
- ❖ it is compatible with all type of paraffinic base oils having viscosity of SN 70 to SN 150.
- ❖ Chempol 51810 is non-ionic antistatic emulsifier for making soluble oils for applications in fibre, textile machines and machine industries.
- ❖ It contains detergent, dispersant, antibacterial, anticorrosion etc.
- ❖ It can be used in mineral base oils paraffinic type to meet requirements.
- ❖ Treat dosage in mineral base oil of egyptian type (viscosity @40°C 32cst and 18 cst) is approx. 10 +/- 2 %.
Which formulation gives emulsion in water @ 5 % (1:20).
- ❖ Milky emulsion produced is stable and passes ip 263 with hard water and passes iron chip test

DOSAGE RECOMMENDED

7.0-9.0% in SN/N70 Group I/II base oils.

13.0-16.0% in SN/N 150 Group I/II base oils.

PRODUCT CHARACTERISTICS

| Item | Index | Typical Value | Test Method |
|---------------------------------------|------------------|------------------|-------------|
| Appearance | Colorless Liquid | Colorless Liquid | Visual |
| Density (15°C), kg/m ³ | 850-950 | 900 | ASTM D4052 |
| Flash Point (COC), °C | ≥180 | <200 | ASTM D92 |
| VISCOSITY @100°C, mm ² /s | 4-7 | 5 | ASTM D445 |
| TAN mg KOH/gm | <0.5 | 0.1 | ASTM D664 |
| EMULSION STABILITY (@7.0% W/W IN OIL) | Stable | Stable | Visual |
| PH OF THE EMULSION @3%wt | 7-8 | 7.3 | |

PACKING, STORAGE AND TRANSPORTATION

Please refer MSDS of this product when storing, shipping, handling and using this product. It is nonflammable, non-explosive and non-corrosive. The highest storage temperature shall not exceed 75°C. For long term storage, the highest temperature shall not more than 45°C. For product details of safety, health and environmental precautions, please refer to the MSDS of this product.