

BREOX 75W 18000

INTRODUCTION

BREOX 75W 18000 is a diol started random propylene oxide / ethylene oxide copolymer manufactured to provide a viscosity of 18,000 cSt @ 40°C.

The high viscosity and low volatility of this product makes it very suitable neat for high temperature lubrication. It finds extensive application in polymer quenchants and water based hydraulic fluids, demonstrating excellent shear stability and providing good lubricity to the finished fluid. **BREOX 75W 18000** is water soluble at temperatures below 75°C and has two terminal hydroxyl groups.

In addition **BREOX 75W 18000** is FDA compliant under 21 CFR sections 175.105, 176.180, 176.200, 176.210, 177.1200, 178.3120, 178.3570 and 178.3190, and may therefore be used in relevant applications where the potential for incidental food contact exists.

TYPICAL PHYSICAL PROPERTIES

| | | 75W 18000 |
|----------------------------------|------------------------------|------------------|
| Viscosity | cSt @ 40°C | 18,000 |
| Viscosity | cSt @ 100°C | 2540 |
| Viscosity Index | ASTM D 2270 | 414 |
| Pour point, °C | ASTM D 97 | 6 |
| Refractive Index | N²⁰ D | 1.45 |
| Specific Gravity | 20 / 20°C | 1.10 |
| Flash Point, °C | COC | 245 |
| Water Content | % by wt | <0.25 |
| Specific Heat | kJ / kg K | 1.95 |
| Ash | ASTM D 482 | <0.1 |
| Equilibrium Water content | At 65% RH and 21-28°C | 4-6 |
| Refractive Index | ND²⁰ D | 1.466 |

For ease of handling, **BREOX 75W 18000** is also available as water solution:

| | Thickener | Water Content |
|--------------------|--------------|---------------|
| BREOX TB150 | 75W 18000 | 30% |
| BREOX TB195 | 75W 18000 | 40% |

Remarks

Handling & Safety:

Storage:

Revision-No.

1.3-08.2004 Effective August 17, 2004

The product can be stored for at least 2 years at ambient storage conditions and temperature without any deterioration.

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**Cognis Performance Chemicals UK Ltd - Charleston Industrial Estate,
Hardley, Hythe, Southampton, SO45 3ZG, UK - Phone +44 (0) 2380 894666
- Fax +44 (0) 2380 234113**

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