

BREOX 75W 2050

INTRODUCTION

BREOX 75W 2050 is a diol started random propylene oxide / ethylene oxide copolymer manufactured to provide a viscosity of 2025 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 2050** is water soluble at temperatures below 75°C and has two terminal hydroxyl groups.

In addition **BREOX 75W 2050** 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 2050
Viscosity	cSt @ 40°C	2025
Viscosity	cSt @ 100°C	300
Viscosity Index	ASTM D 2270	335
Pour point, °C	ASTM D 97	6
Refractive Index	N²⁰ D	1.45
Specific Gravity	20 / 20°C	1.10
Flash Point, °C	COC	252
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

Remarks

Handling & Safety:

Storage:

Revision-No.

1.2-03.2004 Effective March 12, 2004

The product can be stored for at least 1 year at ambient storage conditions and temperature without any deterioration.

All products in the text marked with an © are trademarks of the Cognis group.

The information on product specifications provided herein is only binding to the extent confirmed by Cognis in a written Sales Agreement. COGNIS EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE SUITABILITY OF THE PRODUCTS FOR ANY SPECIFIC OR PARTICULAR PURPOSES INTENDED BY THE USER. Suggestions for the use and application of the products and guide formulations are given for information purposes only and without commitment. Such suggestions do not release Cognis' customers from testing the products as to their suitability for the customer's intended processes and purposes. Cognis does not assume any liability or risk involved in the use of its products as the conditions of use are beyond its control. The user of the products is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

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

F_S

