



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

Polyethylene glycol ether W-1

Product Number **P 7516**
Store at Room Temperature

Product Description

CAS Number: Mixture of two components, both of which have a CAS Number of 9004-95-9.
Appearance: Waxy powder
Molecular weight: Brij[®] 56 = 682, Brij 58 = 1,122.
Hydrophile/Lipophile Balance (HLB):
Brij 56 = 12.9, Brij 58 = 15.7.
Synonym: W-1

This product is a physical mixture of 36 parts Brij 56 (C₁₆H₃₃(OCH₂CH₂)₁₀OH) and 64 parts Brij 58 (C₁₆H₃₃(OCH₂CH₂)₂₀OH). This product may be used by melting the entire contents of the bottle. Since it is a mixture, it does not have an exact melting point. The melting points of the components are as follows:
Brij 56 - approximately 31 °C, Brij 58 - approximately 38 °C.

This product may be used as a solubilizing agent for a variety of membrane bound enzymes or in applications that call for Lubrol[®] PX and Lubrol[®] WX.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in water (10 mg/ml, 1% w/v), yielding a clear, colorless solution. Heat may be required for complete solubilization. It is not soluble in water at 10% (w/v).

Lubrol is a registered trademark of Imperial Chemical Industries PLC.

Brij is a registered trademark of ICI Americas, Inc.

IRB/NSB 4/03

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.