

## Technical Data Sheet

1. General product information	
<b>Product name :</b>	JB-400
<b>Chemical name:</b>	Diphenylethylphenol-formaldehyde condensate polyoxyethylene ether
<b>CAS number:</b>	104376-75-2
<b>Product Description:</b>	JB-400 is a high-molecular-weight non-ionic dispersant that offers excellent dispersion stability, heat resistance, and electrolyte resistance, effectively preventing particle settling and agglomeration. Particularly suitable for pesticide suspension concentrates (SC), water-dispersible granules (WG), and water-based coating systems, significantly improving the suspension rate and long-term storage stability of formulations.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Viscous liquid ranging in color from pale yellow to brown	Visual assessment
Saponification value (mgKOH/g)	-	GB/T 5534-2008
Cloud point (°C)	93-97	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	≤0.5	GB/T 22313-2008
Iodine value (g I <sub>2</sub> /100 g)	-	General Rules 0713, Chinese Pharmacopoeia

※ The above data is for reference only and should not be construed as technical indicators.

### 3. Properties and Applications

As a key functional component in pesticide emulsifiers, it is blended with compounds such as triphenylvinylphenol polyoxyethylene ether and calcium dodecylbenzenesulfonate to prepare pesticide formulations such as emulsifiable concentrates (EC).

Serves as a highly effective emulsifier, dispersant, and wetting agent for various organic pigments (such as phthalocyanines and azo pigments) in coatings, inks, and other applications.

Functions as a functional additive in industrial cleaning agents and general-purpose industrial surfactants, enhancing wetting and dispersing properties.

Can be used as an emulsifier in consumer chemicals such as cosmetics, skincare products, and shampoos, and also serves as a processing aid in coatings.

#### **4. Storage and Handling**

Store in dry and cool location and protect the product from heat and direct sunlight. In enclosed original container product keeps stable for at least 2 years. keep the container tightly sealed. Prior taking portions all the lot must be homogenised. please refer to the Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

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The information provided in this document is based on the best of our knowledge and experience. It is intended as a general description of our product specifications and shall not constitute a guarantee or agreement regarding the quality of the specified products, respectively. The customer remains responsible for the inspection and testing of the specified products, as well as any supplementary information and documents provided alongside with the specified products, in particular the material safety data sheets, in order to determine their suitability for their particular application.