

Technical Data Sheet

1. General product information	
Product name :	TSP-16
Chemical name:	Tristyrylphenol polyoxyethylene ether
CAS number:	99734-09-5
Product Description:	TSP-16 is a nonionic surfactant belonging to the triphenylethylphenol polyoxyethylene ether class. It possesses excellent emulsifying and dispersing properties. Widely used as an emulsifier, dispersant, and wetting agent in pesticide formulations, emulsion polymerization, industrial cleaning, and coatings and inks.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Pale yellow semi-solid	Visual assessment
Saponification value (mgKOH/g)	-	GB/T 5534-2008
Cloud point (°C)	60-65	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 ₂ /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

Used as an emulsifier and dispersant in pesticides, particularly suitable for formulations such as EC, SC, and EW

Used in emulsion polymerization (e.g., acrylic and vinyl acetate-acrylic systems) as an emulsifier and post-addition stabilizer

Used as a wetting and dispersing agent in industrial cleaning agents, coatings, and inks

Used in textile auxiliaries and oilfield chemicals

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.

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.