

Technical Data Sheet

1. General product information	
Product name :	TSP-37
Chemical name:	Tristyrylphenol polyoxyethylene ether
CAS number:	99734-09-5
Product Description:	TSP-37 is a non-ionic surfactant of the triphenylstyphenol polyoxyethylene ether type with an EO addition number of approximately 37. It exhibits extremely high hydrophilicity and a high cloud point. Widely as an O/W emulsifier, dispersant, and high-temperature leveling agent. It is suitable for applications in the pesticide, textile printing and dyeing, and industrial cleaning industries.

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 in pesticides, suitable for the formulation of high-concentration emulsifiable concentrates (EC), microemulsions (ME), and emulsifiable concentrates (EW)

Used as a leveling agent (e.g., high-temperature leveling agent) and cleaning agent in high-temperature, high-pressure textile printing and dyeing processes

Used as a primary emulsifier or stabilizer in emulsion polymerization (particularly in high-temperature polymerization systems)

Used as a key monomer in the synthesis of high-molecular-weight TSP polyether phosphate esters, which serve as highly effective wetting and dispersing agents in water-based coatings and inks

Used in industrial cleaning agents (e.g., metal cleaning), oilfield extraction, leather processing, and the paper industry

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.