

## Technical Data Sheet

1. General product information	
<b>Product name :</b>	1601
<b>Chemical name:</b>	Tristyrylphenol Polyoxyethylene Polyoxypropylene Ether
<b>CAS number:</b>	99734-09-5
<b>Product Description:</b>	1601 (Agricultural Emulsifier 1601#) is a non-ionic emulsifier monomer derived from phenethylphenol polyoxyethylene-polyoxypropylene ether. It belongs to the EPE class of block polyethers and is a highly effective monomer for emulsifying organophosphorus and organochlorine pesticides.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Thick, yellowish-brown liquid	Visual assessment
Saponification value (mgKOH/g)	-	GB/T 5534-2008
Cloud point (°C)	74-78	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

Used as a highly effective monomer for emulsifiers in organophosphorus and organochlorine pesticides; often blended with Nongru 500# to formulate emulsifiable concentrates (EC)

Used in general industry as an emulsifier, wetting agent, penetrating agent, and adhesion promoter

Used as a leveling agent and scouring agent in the high-temperature, high-pressure dyeing process for disperse dyes

Used as a dispersant and in finishing processes in the textile industry

Used in some cosmetic formulations as a thickening and moisturizing agent for creams and lotions

#### **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.