

Technical Data Sheet

1. General product information

Product name :	PEG400MO
Chemical name:	Polyethylene Glycol 400 Monooleate
CAS number:	25322-68-3
Product Description:	TPEG400MO is an ester-based non-ionic surfactant whose primary functions are to serve as an emulsifier, lubricant, and dispersant. This ingredient exhibits excellent biodegradability and is widely utilized across various sectors, including personal care, textile printing and dyeing, metalworking, pesticide adjuvants, plastics processing, and industrial cleaning.

2. Specifications Table

Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Yellow to amber-colored liquid	Visual assessment
OH Number (mgKOH/g)	-	GB/T 7383-2007
Cloud point (°C)	8-16	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	-	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

Textile Industry: Used as a softener, lubricant, and scouring agent to improve fabric feel.

Metalworking: Used as an industrial lubricant, cutting fluid emulsifier, and degreasing agent.

Personal Care & Cosmetics: Used as an emollient and as an emulsifier in cosmetics and hair care products.

Plastics Industry: Used as a viscosity stabilizer and antistatic agent for vinyl plastisols.

Agrochemicals: Used as a pesticide emulsifier and stabilizer for agricultural sprays.

Industrial Cleaning: Used in the formulation of dry cleaning agents and industrial degreasers.

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.