

## Technical Data Sheet

1. General product information	
<b>Product name :</b>	AEO-3
<b>Chemical name:</b>	Fatty alcohol polyoxyethylene ether
<b>CAS number:</b>	68439-50-9
<b>Product Description:</b>	AEO-3 is a non-ionic surfactant. Its primary function is as a lipophilic (oil-soluble) emulsifier, specifically designed for the preparation of W/O (water-in-oil) emulsions. In addition, it serves as a key raw material in the production of the anionic surfactant sodium lauryl ether sulfate (AES) and plays a vital role in various industrial sectors, including textiles, personal care, leather, and metal processing.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Clear liquid	Visual assessment
OH Number (mgKOH/g)	172 ± 5	GB/T 7383-2007
Cloud point (°C)	-	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	≤0.3	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 water-in-oil (W/O) emulsifier, it is used to emulsify mineral oils and alphasolvents.

Serves as a key raw material in the production of the anionic surfactant AES.

Used as a chemical fiber oil, leveling agent, penetrating agent, and cleaning agent.

Used in dry cleaning agents, metal cleaners, cosmetic emulsions, and leather degreasing.

#### **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.