

Technical Data Sheet

1. General product information	
Product name :	AEO-5
Chemical name:	Fatty alcohol polyoxyethylene ether
CAS number:	68439-50-9
Product Description:	AEO-5 is a specific type of polyoxyethylene ether non-ionic surfactant derived from fatty alcohols. Due to its oil solubility and excellent emulsifying properties, it is primarily used as a water-in-oil (W/O) emulsifier and is widely applied in the textile, household cleaning, and industrial cleaning industries.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Clear liquid	Visual assessment
OH Number (mgKOH/g)	135 ± 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 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 a component in synthetic fiber oils, as well as a leveling agent, penetrant, and cleaning agent in dyeing and printing processes.

As one of the primary active ingredients in hand wash, laundry detergent, body wash, laundry powder, and dishwashing liquid, it serves to emulsify, create foam, and remove dirt.

Used as a cleaning agent and degreaser in metalworking processes.

In the paper industry, it is used as a deinking agent and felt cleaner, and can also be used as a pesticide emulsifier.

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.