

Technical Data Sheet

1. General product information	
Product name :	HXO-5
Chemical name:	Isodecyl Alcohol Ether
CAS number:	61827-42-7
Product Description:	HXO-5 is a non-ionic surfactant of the lipophilic type. Its primary function is as a highly effective oil-in-water emulsifier and penetrant, and it is mainly used in industrial cleaning, textile printing and dyeing, leather processing, and household and personal care detergents.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Colorless to pale yellow liquid	Visual assessment
OH Number (mgKOH/g)	135-165	GB/T 7383-2007
Cloud point (°C)	-	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	≤1.0	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

Can serve as the primary component in solvent-based cleaning agents for removing oil and grease from metal surfaces such as automotive engines and mechanical components, offering superior emulsifying and wetting properties compared to the TX series.

Used as a key component in refining agents, degreasers, cleaning agents, and penetrating agents.

Can be used in the formulation of household and personal care products such as detergents and hand soaps, as well as leather degreasers and penetrating agents.

In the paper, paint, and construction industries, it is used as a wetting agent, dispersant, dispersing aid, and solubilizer.

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.