

## Technical Data Sheet

### 1. General product information

<b>Product name :</b>	HTO-6
<b>Chemical name:</b>	Polyoxyethylene Isoalcohol Ether
<b>CAS number:</b>	9043-30-5
<b>Product Description:</b>	HTO-6 is a non-ionic surfactant with an ethylene oxide (EO) addition number of approximately 6. Its primary functions include acting as a highly effective hydrophilic emulsifier, wetting and dispersing agent, antistatic agent, and softener. It is primarily used in the textile printing and dyeing, leather processing, industrial cleaning, metalworking fluids, agricultural chemicals, and personal care products industries.

### 2. Specifications Table

Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Colorless to pale yellow liquid	Visual assessment
OH Number (mgKOH/g)	120 ± 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 (%)	≤1.0	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

**Textiles and Leather:** Used as a degreaser, detergent, emulsifier, and component of finishing agents; it has a highly effective emulsifying effect on amino-silicone oils and dimethyl silicone oils, resulting in more stable emulsions, and can penetrate into the fiber to achieve a satisfactory soft hand feel.

**Industrial Cleaning:** Used as a multifunctional detergent, stain remover, solubilizer, household cleaning agent, and cleaner for vehicles and public facilities; an ideal choice for formulating low-foaming industrial cleaners and in the metal cleaning sector.

**Metal Processing:** Used as a metal processing aid and lubricant, effectively improving processing efficiency and product quality.

**Agricultural Chemicals:** Used as an emulsifier, dispersant, wetting agent, and penetrant in pesticide adjuvants.

#### **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.