

## Technical Data Sheet

### 1. General product information

<b>Product name :</b>	HTO-5
<b>Chemical name:</b>	Polyoxyethylene Isoalcohol Ether
<b>CAS number:</b>	9043-30-5
<b>Product Description:</b>	HTO-5 is a non-ionic surfactant. Its primary function is as a highly effective lipophilic emulsifier, wetting agent, and dispersant. Primarily used in industrial and institutional (I&I) cleaning, textile printing and dyeing, leather processing, metalworking fluids, agricultural chemicals, and emulsion polymerization.

### 2. Specifications Table

Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Colorless to pale yellow liquid	Visual assessment
OH Number (mgKOH/g)	130 ± 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

**Industrial Cleaning:** Used as the primary or auxiliary component in multi-purpose detergents, soil-releasing and solubilizing agents, vehicle cleaners, public facility cleaners, and ultrasonic cleaners

**Textiles and Leather:** Used as a component in degreasers, washing agents, emulsifiers, and finishing agents to impart a satisfactory soft hand feel to fabrics

**Metalworking:** Used as metalworking aids, and as emulsifiers and lubricating additives in metal and textile lubricants

**Agricultural Chemicals:** Used as emulsifiers and wetting agents in pesticide suspension concentrates (SE), oil dispersants (OD), suspension concentrates (SC), microemulsions (ME), and emulsifiable concentrates (EC)

**Polymer Materials:** Used as antistatic agents for textiles and plastics; used as emulsifiers in emulsion polymerization (e.g., acrylic esters, vinyl acetate)

**Home Care:** Used as a cleaning and wetting component in household cleaner formulations

#### **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.