

Technical Data Sheet

1. General product information	
Product name :	HTO-7.5
Chemical name:	Polyoxyethylene Isoalcohol Ether
CAS number:	9043-30-5
Product Description:	HTO-7.5 is a non-ionic surfactant. Thanks to its unique branched-chain structure and excellent wetting, emulsifying, penetrating, cleaning, and eco-friendly properties, it is primarily used in specialized fields such as industrial and public facility cleaning, textile printing and dyeing, metal processing, agrochemicals, and leather manufacturing.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Colorless to pale yellow liquid	Visual assessment
OH Number (mgKOH/g)	103-109	GB/T 7383-2007
Cloud point (°C)	-	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	≤0.5	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

Thanks to its excellent wetting and penetrating properties, it is used as a key ingredient in multi-purpose detergents and stain-removing solubilizers.

As a core component of high-efficiency refining agents, wetting agents, leveling agents, and cleaning agents, it helps fabrics achieve an ideal hand feel.

Can be used in the formulation of phosphate-free laundry liquids, concentrated laundry liquids, fabric detergents, and leather-friendly detergents.

Due to its excellent emulsifying and lubricating properties, it serves as an effective component in metalworking fluids (such as fully synthetic and semi-synthetic cutting fluids).

Used as a synergistic additive in pesticides and fertilizers to enhance their efficacy.

Can serve as a base material for synthetic anionic surfactants (such as AES).

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.