

Technical Data Sheet

1. General product information	
Product name :	JFC-5
Chemical name:	Fatty alcohol polyoxyethylene ether
CAS number:	68131-39-5
Product Description:	JFC-5 is a non-ionic surfactant belonging to the fatty alcohol polyoxyethylene ether class, commonly known as a “super penetrant.” It offers exceptional penetration, wetting, and cleaning properties, and is renowned for its excellent stability against acids, alkalis, hard water, high temperatures, and chlorine bleach. Widely used in the textile, leather, and industrial cleaning industries.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Colorless, transparent liquid	Visual assessment
Saponification value (mgKOH/g)	-	GB/T 5534-2008
Cloud point (°C)	70-74	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

Textile Printing and Dyeing: Used as a penetrating agent and cleaning agent in processes such as sizing, desizing, scouring, bleaching, and carbonization.

Dye Post-Treatment: Removes excess dye from printed fabrics dyed with reactive and disperse dyes, and prevents staining of the white ground.

Dyeing auxiliaries: Acts as a dispersant in dye baths for disperse and reduction dyes; used in the pretreatment of acrylic fibers and in high-pressure dyeing of acrylic/wool blended fabrics.

Leather and household chemicals: Used as a penetrating agent and degreaser for leather coatings; can also be used as a wool cleaning agent.

Mineral Flotation: Used in flotation collector compositions for minerals such as scheelite to enhance flotation efficiency.

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.