

Technical Data Sheet

1. General product information	
Product name :	JFC-3
Chemical name:	Fatty alcohol polyoxyethylene ether
CAS number:	68131-39-5
Product Description:	JFC-3 is a non-ionic penetrant, commonly known as a “super penetrant.” Its primary function is to significantly accelerate the penetration of liquids into solid materials (such as fabric fibers and leather). Thanks to its exceptional resistance to strong acids, strong alkalis, and hypochlorites, it is 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)	40-50	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

Used as a penetrating agent and cleaning agent in processes such as sizing, desizing, scouring, bleaching, carbonization, dyeing, and scouring

Used as a penetrating agent and degreasing agent in leather coating

Used in metal cleaners, solvent-based hard-surface cleaners, and degreasers to help remove oil and grease from surfaces

Used as a penetrating aid in resin finishing solutions, papermaking, coatings, pesticides, and other fields

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.