



APROVADO
Dep. Qualidade



PRODUCT TECHNICAL SPECIFICATION
STW: X425/1

TRADE NAME **Tequat LC 90i**

CHEMICAL NAME Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized, with addition of isopropyl alcohol

TECHNICAL REQUIREMENTS

Apperance at (20±25)°C	soft white to yellow paste
Colour in Gardner scale at 50 °C.	max 3 (PN-EN ISO 4630-1:2006)
pH of 5% water/isopropanol solution (1:1)	2,0 ÷ 3,5 (PN-89/C-04963, potentiometric method at 20 °C)
Active substances content, mmol/g	0,99 ÷ 1,12 (LA/2089)
Water content, %m/m	max. 0,5 (PN-ISO 760:2001, direct method)

GENERAL DATA

Solubility in water	forms dispersion
Other solvents	isopropyl alcohol, chloroform
Density at 50°C, g/cm ³	approx. 0,964
Odor	characteristic for isopropanol
Melting point, °C	approx. 40
Flash point., °C	approx. 78

APPLICATION Product is used as a softening and antistatic agent which is a major component of fluids and concentrates of fabric industry household.

PACKAGING	Polyethylene drums with a capacity of 120 litres and other packaging as agreed with the customer.
STORAGE CONDITIONS	<p>Store in tightly closed containers in roofed areas, away from sources of ignition. For the product in a solid state the temperature of storage should be 5÷30°C. The product is sensitive to frost. In case the product freezes, heat it up slowly up to about 50°C and mix it. It is not recommended to expose the product to more than three freezing-thawing cycles.</p> <p>The storage temperature of melted product should be max. 55°C. Higher storage temperature leads to discoloration and loss of solvent. Containers made of acid resistant steel or covered with inner rubber lining and equipped with electrical or water heating are suitable.</p> <p>A guaranteed life cycle is 6 months for the product stored at temperature from 5 to 30°C, starting from the date of manufacture. After this period it can be used after checking the compliance of parameters with technical requirements. Product is sensitive to temperature below 5°C.</p>
TRANSPORT	Limitations resulting from ADR, RID, IMDG and ICAO/IATA regulations do not apply. Covered means of transport recommended.
NUMBER	STW: X425/1 Tequat LC 90i
DATE	2014.05.22