

**PRODUCT TECHNICAL SPECIFICATION**  
**STW: 443/1**

**TRADE NAME**                    **Rokanol O3**

**CHEMICAL NAME**            Polyoxyethylene ether of oleyl alcohol

**TECHNICAL REQUIREMENTS**

Appearance ..... opalescent or turbid liquid

Colour in iodine scale at 50 °C ..... max 10 (PN-84/C-04534/02, visual method)

pH of 1% solution ..... 5.5÷8.5 (PN-89/C-04963, potentiometric method, at 20 °C)

Cloud point (butyldiglycol/water solution), °C ..... 37÷41 (PN-EN 1890 2000, method E)

Iodine value, gJ<sub>2</sub>/100g ..... 54÷64 (PN-87/C-04281)

**GENERAL DATA**

Molecular weight ..... approx. 400

Solubility in water ..... low

Other solvents ..... mineral oils, organic solvents

Density at 20 °C, g/ml ..... approx. 0.907

Odour ..... slight

Solidification point, °C ..... approx. 0

Hydrophilic-lipophilic balance (HLB) ..... 7.1

**APPLICATION**

Rokanol O3 is a non-ionic surfactant used in textile and dye industries as an emulsifier, and as a softening and dispersing agent in washing and cleaning processes. It can be used in oxidizing, reducing and hard water environments. Rokanol O3 can be used in a mixture with other non-ionic auxiliary agents and in mixtures with anionic and cationic surface active agents. Does not cause metal corrosion.

<b>PACKAGING</b>	Polyethylene drums with a capacity of 120, cisterns or tanker vehicles with a heating coil and other packaging as agreed with the customer.
<b>STORAGE CONDITIONS</b>	Store in a tightly closed container in a roofed area, at a temperature of up to 40°C. Guaranteed period of stability: 12 months from the date of manufacture. After the expiry of this period, the product can be used upon verifying the conformity of its parameters with the technical requirements. In case of non-conformity, application tests should be performed.
<b>TRANSPORT</b>	Limitations resulting from ADR, RID and IMDG regulations do not apply. Covered means of transport recommended.
<b>HAZARD SYMBOL</b>	Irritant (Xi).
<b>R-PHRASES</b>	Irritating to eyes and skin (R 36/38).
<b>S-PHRASES</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S 26). After contact with skin, wash immediately with plenty of water (S 28). Wear suitable gloves and eye/face protection (S 37/39).
<b>NUMBER</b>	STW: 443/1 Rokanol O3
<b>DATE</b>	2005.10.31