

PRODUCT TECHNICAL SPECIFICATION
STW: 431/1

TRADE NAME **Rokanol DB12**

CHEMICAL NAME Polyoxyethylene ether of synthetic fatty alcohol

TECHNICAL REQUIREMENTS

Appearance turbid liquid or paste

Colour (Hazen units) max 70 (PN-81/C-04534/01, visual method)

pH of 1% solution 4.6÷7.4 (PN-89/C-04963, potentiometric method, at 20 °C)

Hydroxyl value, mg KOH/g 73÷89 (PN-86/C-04838, method B)

Water content, %(m/m) max 0.5 (PN-ISO 760:2001, direct method, solvent - methanol)

GENERAL DATA

Molecular weight approx. 740

Solubility in water good

Other solvents low aliphatic alcohols

Density at 40 °C, g/ml approx. 0.99

Odour weak, characteristic

Solidification point, °C approx. 25

Hydrophilic-lipophilic balance (HLB) 14.4

APPLICATION

Non-ionic surfactant used in various cleaning and washing agents. Rokanol DB12 can be used in oxidizing, reducing and hard water environments. It is active in cold water, in an acid and neutral bath, as well as in diluted alkalies. Rokanol DB12 can be used in a mixture with other non-ionic auxiliary agents and in mixtures with anionic and cationic surface active agents.

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| PACKAGING | Polyethylene drums with a capacity of 120 and 220 litres, cisterns or tanker vehicles with a heating coil and other packaging as agreed with the customer. |
| STORAGE CONDITIONS | 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. |
| TRANSPORT | Limitations resulting from ADR, RID and IMDG regulations do not apply. Covered means of transport recommended. |
| HAZARD SYMBOL | Irritant (Xi). |
| R-PHRASES | Irritating to eyes and skin (R 36/38). |
| S-PHRASES | 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). |
| NUMBER | STW: 431/1 Rokanol DB12 |
| DATE | 2005.11.14 |