

ROKOLUB 75-D-18000

TECHNICAL PRODUCT SPECIFICATION

NUMBER	TDS: KR/635/01
DATE	25.08.2025.
CHEMICAL NAME	Polyoxyalkylated propylene glycol
TECHNICAL REQUIREMENTS	<p>Appearance at 25°C Homogeneous liquid, colourless to yellow</p> <p>Acid value, mg KOH/g max. 0.1 (ASTM D7253-22, bromothymol blue)</p> <p>Water content, % (m/m) max. 0.1 (ASTM D4672-24, solvent: methanol+chloroform 1+3 (V/V))</p> <p>Kinematic viscosity at 40°C, mm²/s 14400 – 21600 (ASTM D445-24)</p> <p>Kinematic viscosity at 100°C, mm²/s 1900 – 3300 (ASTM D445-24)</p>

INFORMATIVE DATA*	<p>ISO VG 18000</p> <p>Molecular weight ~11000</p> <p>Viscosity index ~430</p> <p>Pour point, °C ~6</p> <p>Flash point, °C >240</p> <p>Cloud point, °C >90</p> <p>Density at temperature. 20°C, g/mL 1.09</p> <p>Contains BHT free antioxidant.</p>
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* These informative data are not technical requirements and cannot form the basis for any claims.

USE

Rokolub 75-D-18000 is soluble in water at 20°C polyalkylene glycol, designed for use as synthetic PAG base oil, for the formulation of high performance lubricants.

It can be used as:

- component for metalworking fluids and functional fluids for forming metals,
- component for quenchants,
- base stock for hydraulic fluids (HFC type).

The performance advantages offered by PAG based lubricants can be summarized as follows:

- excellent temperature-viscosity characteristics (high viscosity index, low pour point, high flash point),
- reduced wear characteristics and good Extreme Pressure performance,
- provide a high level of thermal conductivity,
- no carbonaceous residue.

The product can also be used as a component of formulations for other applications and for further chemical synthesis. For detailed information, please contact the Technical Support Department of PCC Rokita SA.

PACKAGING

Tank wagons or tanker trucks made of stainless steel, plastic containers with a capacity of 1 m³, steel or plastic drums with a capacity of 200 dm³ and other packaging as agreed with the customer

STORAGE

Store in tightly closed containers, keep away from humidity. Avoid direct sunlight. Maximum storage temperature +40°C. Recommended usage temperature 20-25°C. Viscosity increases as temperature decreases

SHELF LIFE

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 performance requirements.

TRANSPORTATION

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA

CLASSIFICATION AND LABELLING

This technical specification is applicable only if accompanied by the Safety Data Sheet in force. Pursuant to statutory requirements, only the Safety Data Sheet includes updated safety information.

The information contained herein is provided in good faith, based on our state of the art knowledge and experience. We reserve the right to amend this Technical Specification as a result of technological progress and product development by the manufacturer.

This product is intended for the purposes specified herein, for industrial and professional use. To use the product for purposes other than indicated herein, please contact PCC Rokita for consultation sending an e-mail to: rokopol@pcc.eu.

We cannot assume any liability for the use and application of our products, technical assistance and information provided (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations.

Therefore, it is imperative that you test our products, technical assistance and information provided to determine to your own satisfaction whether they are suitable for your needs, production, your intended uses and applications. Such analysis adopted to the conditions of the use and application should include at least application tests, technical feasibility of the suggested solutions, taking into account safety requirements, health and environmental issues.

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