

CHEMICAL NAME	Alcohols C9-11, ethoxylated
----------------------	-----------------------------

Appearance at temperature (20÷25)°C.....	clear or turbid liquid with a tendency to separation in time
Colour (Hazen units) at (40÷45)°C	max 70 (ASTM D1209-25, spectrophotometric method)
pH of 1% solution	5.0 ÷ 7.0 (PN-EN 1262:2004, solution B at 20°C)
Cloud point (water solution), °C	50 ÷ 57 (PN-EN 1890:2006, method A)
Water content, %(m/m)	max 0.5 (PN-ISO 760:2001, direct method)

Molecular weight g/mol.....	approx. 430
Solubility in water at room temperature.....	good
Other solvents	low aliphatic alcohols
Density at 25°C, g/mL.....	approx. 0.99
Odour.....	weak, characteristic
Solidification point, °C	approx.5
Hydrophilic-lipophilic balance (HLB)	approx. 12.5

* These informative data are not technical requirements and cannot form the basis for any claims.

Non-ionic surfactant used as a component of cleaning and washing agents. It 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 alkalis. It can be mixed with non-ionic, cationic and anionic agents both in water-free environments and in aqueous solutions

PACKAGING	Polyethylene drums, cisterns or tanker vehicles with a possibility of heating, and other packaging as agreed with the customer, in accordance with the product characteristics.
STORAGE	Store in a tightly closed container in a room protected against atmospheric conditions, at a temperature of up to 40°C. During storage, in time cloudiness and product separation may occur (the product is turbid at the bottom and clear at the top); this is natural behaviour of the product. After mixing and heating to temperature $(40 \div 50)^{\circ}\text{C}$ it returns to its earlier form.
SHELF LIFE	Guaranteed period of stability: 24 months from the date of manufacture.
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 EXOL SA for consultation sending an e-mail to: industrial.application@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.

Unless otherwise specified in writing, our products are offered under our applicable Standard Terms and Conditions of Sale available on our website. Any information, including technical assistance, is provided without warrant and can change at any time without notice. The parties explicitly agree that the Customer accepts and explicitly releases us from any liability in tort, contract or otherwise, for any loss or damage arising from the use of our products, information or technical assistance. Any declarations and recommendations other than stated herein are not valid or binding. Nothing in this document is intended to be a recommendation to use any product in violation of patent claims concerning material of intended use.