

EXVELIA CE6

TECHNICAL SPECIFICATION

PRODUCT

NUMBER

STW: EX/2131/1

DATE

2026-07-01

CHEMICAL NAME

Macrogol cetostearyl ether

TECHNICAL REQUIREMENTS

Identification.....complies with A, B,C,D,E tests
(Ph. Eur. 12+ Suppl.)

Appearance at (20÷25)°C yellowish – white or white wax
(Ph. Eur. 12+ Suppl.)

Solution appearance.....≤ colour of the comparative solution BY₅
(Ph. Eur. 12+ Suppl.)

Hydroxyl value, mg KOH/g 100 ÷ 134
(Ph. Eur. 12+ Suppl.)

Acidity value, mg KOH/g..... ≤ 1.0
(Ph. Eur. 12+ Suppl.)

Alkalinity, mL ≤ 0.5
(Ph. Eur. 12+ Suppl.)

Saponification, mg KOH/g ≤ 3.0
(Ph. Eur. 12+ Suppl.)

Iodine number, gI₂/100g ≤ 2.0
(Ph. Eur. 12+ Suppl.)

Total ash, % (m/m)..... ≤ 0.2
(Ph. Eur. 12+ Suppl.)

Water, % (m/m) ≤ 3.0
(Ph. Eur. 12+ Suppl.)

Ethylene oxide, ppm..... ≤ 1
(Ph. Eur. 12+ Suppl.)

Dioxane, ppm ≤ 10
(Ph. Eur. 12+ Suppl.)

Water solubility (20÷25)°C..... hardly soluble
(Ph. Eur. 12+ Suppl.)

Methylene chloride solubility (20÷25)°C..... soluble
(Ph. Eur. 12+ Suppl.)

Ethanol 96% water solution solubility (20÷25)°C soluble
(Ph. Eur. 12+ Suppl.)

INFORMATIVE DATA*

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

USE

Non-ion emulsifier for the production of stable O/W emulsions in pharmaceutical, cosmetic and dermo cosmetics applications.



The product meets the quality requirements according to the current version of the European Pharmacopoeia.

PACKAGING

Packaging as agreed with the customer.

STORAGE

EXVELIA CE6 is stable for 2 years when stored in original, tightly closed containers. It is recommended that the ambient temperature during long-term storage is between 5°C and 25°C, with the extreme acceptable range being between 0°C and 30°C. Storage at higher temperatures is only possible for a short time.

SHELF LIFE

24 months from the date of manufacture.

TRANSPORTATION

This product is regulated for carriage according to ADR/RID, IMDG, ICAO/IATA

UN number: 3077

UN Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alcohols, C16-18, ethoxylated)

Transport hazard class(es): 9

Packing group: III

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.

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