

1. CHEMICAL NAME

Diethyl-N, N-bis (2-hydroxyethyl) aminomethyl phosphonate

2. IDENTIFICATION NUMBERS

CAS: 2781-11-5

EC: 220-482-8

3. TECHNICAL REQUIREMENTS

Appearance at 20-25°C	yellowish to brownish liquid
Acid value, mgKOH/g	max. 8.0 (LA/2163)
Density at 20°C, g/mL	1.16-1.17 (PN-EN ISO 2811-3:2011)
Viscosity at 25°C, mPa·s	100-300 (PN-EN ISO 12058-1:2018-10)
Hydroxyl number, mgKOH/g	400-460 (LA/2018)
Water content, %(m/m)	max. 0.5 (PN-ISO 760:2001, direct method)

4. INFORMATIVE DATA*

Solubility in water	soluble
Other solvents	methanol, ethanol, isopropanol
Odour	weak, characteristic
Phosphorus content, %	12.2 (calculated)

Halogen free.

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

5. USE

Non-halogen reactive flame retardant suitable for rigid polyurethane foams. It is also recommended for epoxy resins, acrylic resins as well as for phenolics.

6. PACKAGING

Drums, IBC containers and other packaging as agreed with the customer.

7. STORAGE

Store in air-tight closed containers, in covered and well ventilated rooms, in the temperature of up to 30°C. Do not allow to direct heating of the product by sunlight, store away from sources of heat and fire, protect from moisture.

8. SHELF LIFE

The shelf life is 6 months from the date of manufacture. After this period, the product may be used after verifying compliance with technical requirements.

9. TRANSPORTATION

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

10. 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.

OTHERS

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: fosfory@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.