



DIETHYLENE TRIAMINE PENTA (METHYLENE PHOSPHONIC ACID) (DTPMPA)

CAS Number: 15827-60-8
Chemical Formula: $C_9H_{28}O_{15}N_3P_5$

APPLICATIONS

DTPMPA is a highly effective chelating and scale-inhibiting agent used in:

- Industrial and municipal water treatment systems
- Oilfield water injection and scale control
- Alkaline circulating cooling systems
- Peroxide stabilization and chelation in textile and dyeing industries
- Pigment dispersant in industrial processes
- Micronutrient carrier in fertilizers
- Additive in concrete modification
- Paper manufacturing and electroplating

TECHNICAL SPECIFICATIONS

Parameter	Specification
Appearance	Brown transparent liquid
Active Acid (%)	≥ 50
Chloride (as Cl ⁻) (%)	14 – 17
Density (20 °C, g/cm ³)	1.35 – 1.45
pH (1% solution)	≤ 2.0
Iron (Fe, mg/L)	≤ 20
Phosphorous Acid (%)	≤ 3.0
Calcium Chelating Value (mg/g)	≥ 450



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

Chemport Pty Ltd provides the information contained in this document in good faith based on the best knowledge available at the time of publication. While we believe the information to be accurate and reliable, it is intended for general guidance only and is provided without warranty of any kind, express or implied.

Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or third-party rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Level 9 Tower A
821 Pacific Highway
Chatswood NSW 2067
Australia

chemport.com.au

PACKAGING

- 200 L plastic drums
- 1,000 L IBCs
- Bulk packaging available upon request

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated location. Keep containers tightly closed and away from incompatible materials. Shelf life is at least 10 months under recommended conditions.

SAFETY

DTPMPA is acidic and may cause irritation upon contact. Avoid skin and eye contact. Handle in a well-ventilated area using suitable PPE (gloves, goggles, and protective clothing). Consult the Safety Data Sheet (SDS) before handling.