



POLYFON™

Calcium Naphthalene Sulfonate

PRODUCT DESCRIPTION

Product Description: Polynaphthalene Sulfonate, Calcium Salt

37293-74-6

PRODUCT DESCRIPTION

POLYFON™ is a high-efficiency dispersing agent based on calcium naphthalene sulfonate, offered in both powder and liquid formats. Engineered for use in gypsum board production, POLYFON™ enhances workability, reduces water demand, and supports consistent board formation. Its strong dispersing action and compatibility with calcium-rich systems make it especially well suited for high-performance drywall formulations where slump retention and flow control are critical.

BENEFITS & FEATURES

- Promotes high fluidity and reduced water-cement ratio
- Improves homogeneity and board surface quality
- Facilitates faster processing and energy savings in drying
- Calcium-based structure supports enhanced salt resistance
- Suitable for continuous dosing systems (liquid grade)

PRODUCT SPECIFICATIONS

Parameters (units)	POLYFON™ Ca (L)	POLYFON™ Ca (P)
Appearance	Clear brown liquid	Yellow to brown powder
Solids content %	> 40	> 92
Sulfate as SO ₄ ²⁻ %	< 3.0	< 2.5
Specific Gravity at 25°C	1.18 – 1.22	-
Bulk density g/cm ³	-	0.60 - 0.80
pH	6 – 9	8-10

*“(L)” Liquid **“(P)” Powder



**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

USAGE GUIDELINES

POLYFON™ is typically dosed at 0.1% to 0.4% by total dry binder weight. The optimal dosage should be confirmed via plant or lab trial based on specific gypsum type and performance goals. The liquid grade is ideal for automated feed systems, while the powder version is preferred in dry blend pre-mix formulations. Adequate mixing ensures full dispersion and optimal effect.

PACKAGING

Powder is available in 25 kg bags and 1 MT bulk bags. Liquid available in 1200 kg totes or in bulk.

STORAGE

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

SAFETY

Please consult the Material Safety Data Sheet for additional information on safety, handling and storage before using this product.