

## Typical chemical and physical properties

PEX-136m is a mixture of mono- and di-Phosphate Ester(s). It imparts benefits like: Anti-Corrosion properties, Lubrication in water and Emulsification power.

**It is a Phosphate Ester of an Oxo-Alcholethoxylate.**

Appearance	Clear colourless - yellowish liquid
Odour	Ester-like smell
Viscosity at 25 °C (Brookfield #2, 50 rpm)	2500 - 4000 mPa.s
Density (20 °C; g/cm <sup>3</sup> )	1.05 – 1.10
Colour	max. 1 Gardner
pH	1.5 to 3.0 (1% in water)
Phosphorous content	Approx. 4.8 % (w/w)

*This information is intended as a guideline only. For specifications please consult the Certificate of Analyses.*

## Applications and typical treat level recommended

Emulsion Polymerisation  
Industrial Cleaners  
Textile (emulsifier)  
Anti-corrosion systems

## Benefits

Easy to handle liquid due to the low viscosity with very good solubility in water.

PEX-136m has a medium - high foaming tendency.

Exhibits low Surface Tension properties to 29 dynes.

PEX-136m can be used to prepare Acrylics, Vinyl/Acrylics, Acrylic/VEOVA and Styrene/Acrylics via emulsion polymerisation. It is typically converted to its salt form by in-situ neutralisation.

Films based on polymers made with PEX-136m exhibit enhanced corrosion resistance.

PEX-136m is an effective corrosion inhibitor for neutralised or alkaline aqueous systems. It has excellent hydrotropic properties.

PEX-136m is an excellent detergent booster due to its very good wetting and dispersing ability.

**PEX-136m contains a higher mono-ester content compared to PEX-136**

The product is inherently biodegradable (OECD 302B)

# ADDAPT<sup>®</sup> PEX-136m

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<b>Safety and Handling</b>	Please read Material Safety Data Sheet (MSDS) before handling.
<b>Product Specification</b>	This information is available on request through our local representative.
<b>Packaging</b>	This information is available on request through our local representative.
<b>Storage</b>	ADDAPT <sup>®</sup> PEX-136m must be stored in tightly closed original containers away from frost, heat and direct sunlight.

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**Quality Policy**                      The objective of our quality policy is the continuous fulfillment of the internal and external requirements agreed upon with our partners with regards to everybody's performance.

The Quality System of ADDAPT<sup>®</sup> Chemicals BV is based on the principles of the NEN-EN-ISO-Standard 9001:2015.

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**Liabilities**                              *All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations, buyer or user remains responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility thereof. Buyer has to ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with, and subject to, our general conditions of sale and supply.*

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