

Typical chemical and physical properties

Mixture of hydrophilic mono- and di-phosphate esters of an oxo-alcohol ethoxylate. It provides anti-corrosion properties, lubrication in water and emulsification power. It has a medium-high foaming tendency and exhibits low surface tension properties up to 29 dynes. PEX™ 136 has a higher di-ester content compared to PEX™ 136m.

Mixture of mono- and di-phosphate esters of an oxo-alcohol ethoxylate.

Phosphorus content	~4,5%	
Solubility		
Water	Soluble	
Density at 25°C	1,02 - 1,08	g/ml
pH 10% in water at 25°C	2,1 - 3,2	
Viscosity at 25°C	850 - 1.500	mPa·s
Colour	≤1	Gardner

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

Application and treat level

Markets	Emulsion polymerisation industry Additives industry Industrial Cleanings industry Textile industry
Applications	Emulsion polymerisation Industrial cleaners Textiles (emulsifier) Anticorrosion systems
	Suitable as Food contact material

Key benefits

- Readily biodegradable -- VOC free -- PFAS Free -- Free of MOSH/MOAH -- Free of silicone oils -
- Easy to handle liquid due to the low viscosity with very good solubility in water.
- Excellent emulsifier for emulsion polymerisation.
- 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™ 136 exhibit enhanced corrosion resistance.
- Effective corrosion inhibitor for neutralised or alkaline aqueous systems. It has excellent hydrotropic properties.
- Excellent detergent booster due to its very good wetting and dispersing ability.
- Contains a higher di-ester content compared to PEX™ 136m.
- It provides anti-corrosion properties, lubrication in water and emulsification power.
- It has a medium-high foaming tendency and exhibits low surface tension properties up to 29 dynes.
- Lubrication in water.

Safety and Handling	Please read Safety Data Sheet (SDS) before handling.
Product Specification	This information is available on request through our local representative.
Packaging	This information is available on request through our local representative.
Storage	The product should be stored at a temperature of no less than 10 °C and no more than 25 °C and away from light. For more safety details read the Safety Data Sheet (SDS)
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® Chemicals BV is based on the principles of the NEN - EN - ISO - Standard 9001:2015.
Liabilities	<i>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.</i>

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