

#### Typical chemical and physical properties

PEX-106 is an Anti-scalant intermediate for broad-spectrum application. It imparts benefits like Anti-Corrosion properties, Lubrication in water and Emulsification power.

**It is a mixture of mono- and di-Phosphate Ester of an Oxo-alcholethoxylate.**

Appearance	Clear yellowish liquid
Odour	Ester-like smell
Viscosity at 25 °C (Brookfield #2, 50 rpm)	700 - 950 mPa.s
Density (20 °C; g/cm <sup>3</sup> )	1.07 – 1.11
Colour	max. 2 Gardner
pH	2.1 to 3.2 (10% in water)
Solubility	
Water	Soluble
NaOH (10%)	Soluble
White Spirit	Soluble

#### Applications and typical treat level recommended

It is advised to adjust the pH between 4 and 6 with caustic soda. Maximum solubility and stability in brines will be at pH 4 to 5.

PEX-106 can be diluted with water; water/MEG or water/(m)ethanol. The specific amount of MEG and/or (m)ethanol to achieve the desired pour point should be determined in the laboratory.

#### Benefits

PEX-106 is effective against Calcium Carbonate, Calcium Sulphate and Barium Sulphate as well as mixed scales.

PEX-106 is supplied in the free acid form which can be diluted and neutralised by the formulator to make low-cost, effective scale inhibitors.

Systems made with PEX-106 exhibit enhanced corrosion resistance. PEX-106 is an effective corrosion inhibitor for neutralised or alkaline aqueous systems.

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

PEX-106 has a medium foaming tendency.

Exhibits low Surface Tension properties to 28 dynes.

The product is inherently biodegradable (OECD 302B)

# ADDAPT<sup>®</sup> PEX-106

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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-106 must be stored in tightly closed original containers away from frost and heat.

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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 9001:2008.

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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.*

ADDAPT Chemicals BV  
Speltdijk 1  
NL-5704 RJ Helmond  
The Netherlands  
Tel: + 31 - 492 - 59 - 75 - 75  
Fax: + 31 - 492 - 55 - 29 - 55  
E-mail: [info@addapt-chem.com](mailto:info@addapt-chem.com)  
Home page: <http://www.addapt-chem.com>

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