

### Typical chemical and physical properties

PEX-080B is an oil soluble Phosphate Ester Scale Inhibitor intermediate for broad-spectrum applications. It imparts benefits like Anti-Corrosion properties.

**It is a Phosphate Ester of a branched alcohol.**

Appearance	Clear yellowish liquid
Odour	Ester-like smell
Viscosity at 25 °C (Brookfield #2, 50 rpm)	450 - 950 mPa.s
Density (20 °C; g/cm <sup>3</sup> )	1.03 – 1.08
Colour	max. 2 Gardner
pH	0,5 to 2,0 (1% in water)
Solubility	
Mineral Oil	Soluble
White Spirit	Soluble
Water	Insoluble

### Applications and typical treat level recommended

Scale inhibitor 5 – 75 ppm depending on the severity of the problem

PEX-080B can be diluted 75% for application.

PEX-080B can be diluted with water; water/MEG or water/(m)ethanol upon neutralisation. 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. The specific amount of MEG and/or (m)ethanol to achieve the desired pour point should be determined in the laboratory.

### Benefits

PEX-080B is effective against Calcium Carbonate and Calcium Sulphate as well as mixed scales.

Systems made with PEX-080B exhibit enhanced corrosion resistance.

Easy to handle liquid, insoluble in water, soluble in certain solvents (White Spirit).

PEX-080B gives excellent corrosion protection for Cu-alloys

PEX-080B gives very good corrosion protection of Zn; Pb and Sn-surfaces. It prevents formation of Pb-soaps.

The product is inherently biodegradable (OECD 302B)

# ADDAPT<sup>®</sup> PEX-080B

---

<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-080B must be stored in tightly closed original containers away from frost and heat.

---

**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.

---

**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>

Publication Number PE84101  
© ADDAPT Chemicals BV 2005  
Version 5: 2016

