

Typical chemical and physical properties Mixture of hydrophobic mono- and di-phosphate esters. It imparts benefits like anti-corrosion properties and surface tension reduction.

Mixture of mono- and di-phosphate esters of 2-ethylhexanol.

Appearance	Liquid	
Phosphorus content	~11,5%	
Solubility		
Water	Insoluble	
Density at 25°C	1,03 - 1,09	g/ml
pH 2% in water at 25°C	0,5 - 2,4	
Viscosity at 25°C	300 - 950	mPa·s
Acid number AV1	205 - 255	mg KOH/g
Acid number AV2	315 - 420	mg KOH/g
free phosphoric acid	≤5	%
Colour	≤8	Gardner
Refractive index at 20°C	1,44 - 1,46	nD°

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

Application and treat level

Markets	Additives industry Metalworking industry Industrial Cleanings industry Textile industry
Applications	Anticorrosion systems Metalworking fluids Industrial cleaners Textile (emulsifier)
Recommended dosage/usage	Metal Working Fluids (1,0% - 1,5%) Suitable as Food contact material

Key benefits

- **Readily biodegradable -- PFAS Free -- Free of MOSH/MOAH -- Free of silicone oils -**
- Easy to handle liquid, insoluble in water, soluble in certain solvents (white spirit).
- Has a very low foaming tendency.
- Exhibits low surface tension properties to 23 dynes.
- Films based on polymers made with PEX™ 080B exhibit enhanced corrosion resistance.
- Effective corrosion inhibitor for neutralised or alkaline aqueous systems.
- Gives excellent corrosion protection for Cu-alloys.
- Gives very good corrosion protection of Zn; Pb and Sn-surfaces.
- It prevents formation of Pb-soaps.
- It has excellent hydrotropic properties.
- Excellent detergent booster due to its very good wetting and dispersing ability.
- Low foaming tendency.

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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