

Baysolvex[®] D2EHPA

Water Treatment Chemicals

Description

Baysolvex[®] D2EHPA is a very efficient and versatile extraction agent (solvent) in liquid-liquid extraction processes for purification, enrichment, separation and recovery of metal salts.

Baysolvex[®] D2EHPA can be used as a precursor for wetting agents and other textile auxiliaries and also as mold release agent.

Chemical Composition

Di-(2-ethylhexyl) phosphoric acid (D2EHPA)

CAS Registry Number

298-07-7

Appearance

Clear, nearly colorless liquid

Solubility

Soluble in water and aliphatic solvents

Typical Properties*

Property	Nominal Value	Unit
D2EHPA content	> 95.0	%
M2EHPA content	< 0.5	%
Acid value	165 - 174	mg KOH/g
Water content	< 0.2	%
Hazen color value	< 50	#
Refractive index nD 20 °C	1.442 - 1.444	#
Iron content	< 5	ppm
Density at 20 °C	approx. 0.973	g/cm ³

*The analytical data are guide values.



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Application

Extraction agent (solvent) in liquid-liquid extraction processes

Storage conditions

If stored correctly and kept in the original sealed container, the product has a shelf life of at least 24 months. The following materials have proved suitable for the metering tanks, pumps and pipes for Baysolvex[®] D2EHPA: glass, stainless steel, plastics such as polyethylene and polytetrafluoro ethylene (PTFE). Seals should be made of PE, PTFE or graphite. Because of its reaction with di- (2-ethylhexyl) phosphoric acid enabling the formation of hydrogen, normal steel is unsuitable.

Handling

Consult the safety data sheet for relevant safety data & references as well as possibly necessary warning labels.

® = registered trade mark

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