Baysolvex® D2EHPA

Chemical name: Di-(2-ethylhexyl) phosphoric acid (D2EHPA)

CAS - No: 298-07-7

Typical properties:
Appearance: clear, almost colorless, medium viscosity, highly acidic liquid with slightly sweetish odour.
D2EHPA content: > 95,0 %
M2EHPA content: < 2,0%
Acid value: 164 - 174 mg KOH/g
Water content: < 0.2 %
Hazen colour value: < 100
Refractive index \(n_D^{20\degree C}\): 1.442 - 1.444
Density at 20°C: 0.960 – 0.970 g/cm³

Product 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 as a mould release agent as well.

Product safety and storage:
Relevant safety data and references as well as possibly necessary warning labels are to be found in safety data sheet.
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 (e.g. DIN W1.4571 = US AISI 316 TI), 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 (W 1.0254) is unsuitable.

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