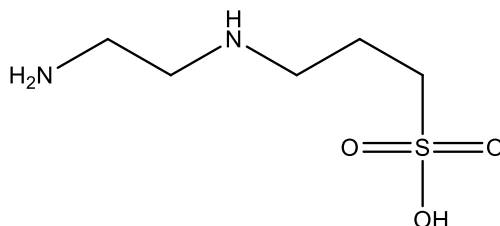


Technical Data Sheet

EPS

1-Propanesulfonic acid, (2-aminoethyl) amino

Description



Chemical Name	1-Propanesulfonic acid, (2-aminoethyl) amino	Formula	C ₅ H ₁₄ N ₂ O ₃ S
CAS #	94159-69-0	Mol. wt.	182.2

Specifications

Item	Specification
Appearance	Yellow liquid, possible solid deposit
Assay (%)	Min. 50.0
Free amine (mmol/g)	Approx. 2.8
pH	Approx. 9
Solubility (@20°C)	Very good in water, low in organic solvents.
Solvent	Water

Applications

EPS combines a reactive amine group and an anionic sulfonate group in one molecule. With the amine function the sulfonate group can be incorporated in a polyurethane chain. The products of these reactions form stable dispersions in water without using external emulsifiers. These dispersions are stable against fluctuation of the pH and divalent cations. PU dispersions made with EPS are used for the production of lacquers, paints, adhesives and leather coatings.

The usage varies usually between 1 to 7.5% calculated on PU dry mass. EPS is normally used in the chain extension step. EPS is also used as an intermediate for chemical synthesis, as a hardener for epoxy resins as well as for the production of acrylates.

Delivery & Storage

Package	As required.
Storage	Keep barrel closed, not below 0°C.