



326 Exchange Drive
Arlington, Texas 76011
817-469-7777

Product Information: SPI-PQ51

INCI Name: Polyquaternium 51

Description:

SPI-PQ51 is a biocompatible phospholipid copolymer which is polymerized from Butylmeth-acrylate with 2-methacryloyloxyethyl phosphoryl choline (MPC) which has a same structure to human cell membrane called phospholipid.

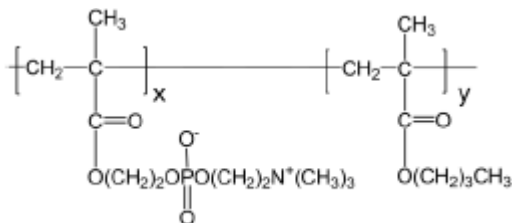
Features and Benefits:

- High Purity Stable Synthetic Polymer
- No by-products or Residues
- No Odor from Long-Term Storage or Discoloration
- Great Silky and Smooth Feel
- Suppresses Surfactant Irritancy
- Simple and Easy to Use

Applications:

- Skin Care
- Hair Care
- Body Care

Chemical Structure:



Specification	Typical Properties
Color (APHA)	150 Max
Appearance @ 25°C	Colorless Transparent Liquid
pH (1% as polymer content)	4.0 – 6.0
Viscosity @ 25°C	6.0 – 60.0
Heavy Metals (ppm)	Max 20ppm
Arsenic (ppm)	Max 2ppm

Packaging:

20 kg/drums

Typical Use Level:

Recommended Use: 1 ~ 5%

Recommended working procedure: Mixed to finishing process under 40°C

Shelf Life & Storage:

1 year from date of manufacture when stored at 15°C or higher in original unopened container.

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Limited Warranty Information:

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