

Zemea®* the Natural Choice...
Purity and Renewable Performance

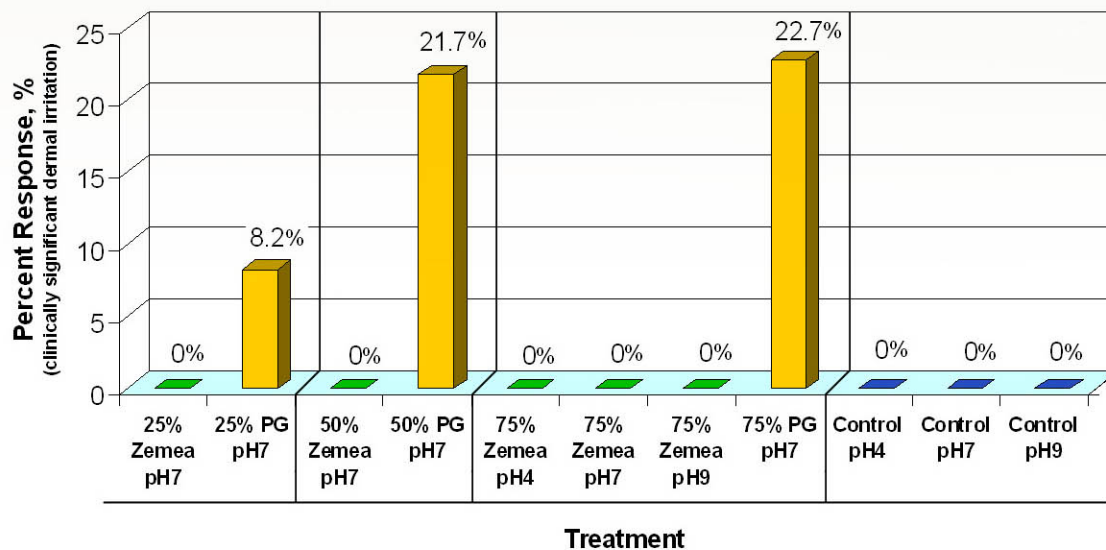


Zemea®
 renewably sourced™ propanediol

Dermal Analysis

Zemea® Propanediol (PDO) is a corn-derived, colorless, and highly pure glycol and is the perfect glycol solution when non-petroleum based ingredients are desired. A repeated insult human skin patch (RIPT) was conducted to determine the potential for diluted Zemea® Propanediol to cause irritation and/or delayed contact hypersensitivity in humans. The study was conducted on 207 Human Volunteers by an independent laboratory and includes a comparison between the highly pure Zemea® Propanediol and USP Grade Propylene Glycol (PG) at concentrations of 25%, 50%, & 75%. (Report available upon request)

Human Skin Patch Test Results
 (207 individuals exposed to Zemea® or Propylene Glycol)



At concentrations as high as 75%, Zemea® Propanediol has not produced skin irritation or sensitization reactions.

For additional information or samples, please contact:

DuPont Tate & Lyle Bio Products Customer Service

In the US, Canada, or Mexico: 1-866-404-7933

Other Countries: ++001-217-421-3443

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