Dermal Analysis

Zemea® propanediol is a multifunctional, preservative-boosting humectant for cosmetic and personal care formulations. It is a safe, highly pure, and skin-friendly glycol. 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%.

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

For additional information or samples:

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