



MICROSPONGE® P078A Salicylic Acid

Microparticle Delivery System for Salicylic Acid

Description: An elegant way to deliver salicylic acid into anti-acne products that allows the formulation of products without harsh-to-the-skin solvents like ethanol, while providing sustained release of salicylic acid and the ability to simultaneously provide control of sebum on the surface of the skin.

INCI Name: Salicylic acid, methyl methacrylate/glycol dimethacrylate

APPEARANCE:	Free flowing white to off-white powder
DESCRIPTION:	Spherically highly cross-linked polymer loaded with Salicylic Acid
PARTICLE SIZE:	Typically 20 - 40 micron average
SALICYLIC ACID CONTENT:	24.7 - 30.3 % (Titration)
RESIDUAL SOLVENT	Acetone # 1000 ppm. (GC)

Improve Formulation Simplicity and Elegance

MSP078A salicylic acid contains salicylic acid loaded inside the matrix of this proprietary delivery system. Because of the unique multifunctional characteristics of MICROSPONGE®, the addition of salicylic acid into any formulation base does not require the use of irritating and skin drying solvents such as ethanol. This means the consumer will want to continue to use your product time after time.

Controlled Delivery of Salicylic Acid

The matrix of the MICROSPONGE® delivery system provides a ready “reservoir” for active ingredients. The release of Salicylic Acid occurs by utilizing a concentration gradient driven diffusion of the active, providing sustained release of salicylic acid for long lasting benefits to acne stressed skin.

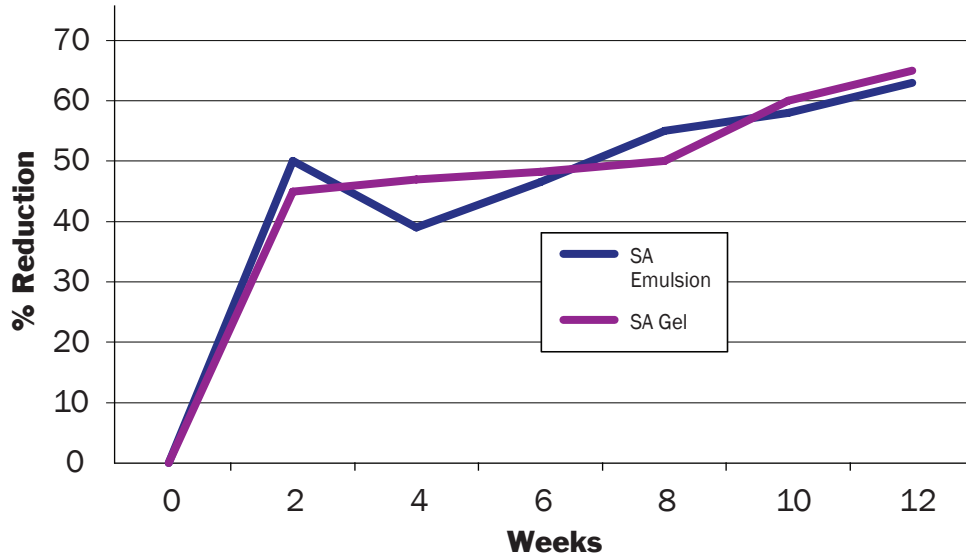
Clinical Efficacy

A randomized and blinded clinical study (N = 10 per product) was run using a gel and a cream formulation using MSP078A salicylic acid at a 2% concentration of salicylic acid in the formulated product with all of the salicylic acid entrapped in MICROSPONGE®. The study was run for 12 weeks with the panelists applying the product twice a day and clinical evaluation included a wide variety of acne indications including reduction in inflammatory and non-inflammatory acne lesions. The results are shown in the following graphs which demonstrate that products formulated with MSP078A salicylic acid are very effective in reducing the signs of acne prone skin.

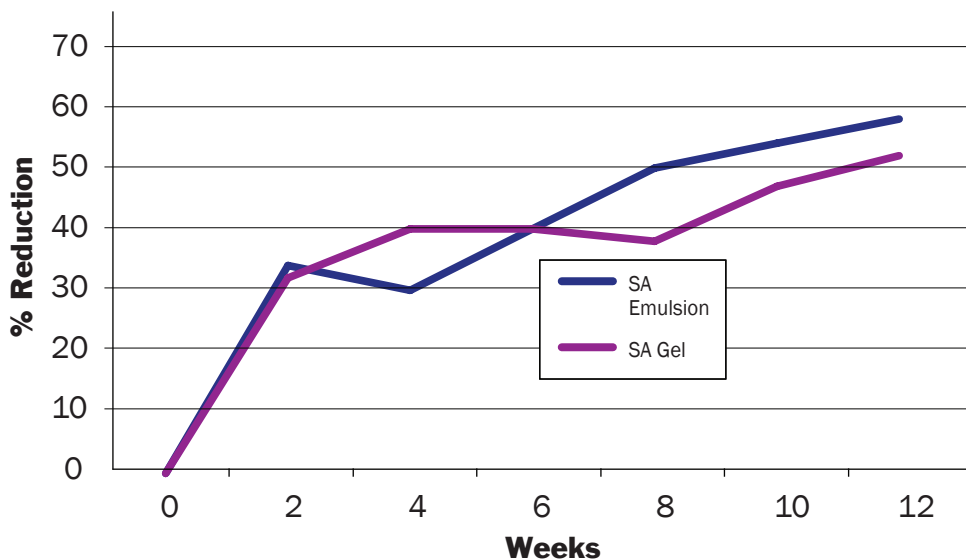




Total Non-Inflammatory Lesions



Total Inflammatory Lesions



Formulation Guidelines: It is best to add MSP078A salicylic acid into emulsion products after the emulsion has formed during the cool down. MSP078A salicylic acid is a robust particle so high shear mixing can be used to easily completely disperse the microparticle into the formulation. No other special handling is required. Appropriate personal protection should be used when handling MSP078A, please consult the SDS for the product.