



## MICROSPONGE® C154A Caffeine Delivery System

**Description:** Product is a mixture of 70% Microsponge® delivery system and 30% caffeine. The delivery system is a highly cross linked, porous copolymer of ethylene glycol dimethacrylate and methyl methacrylate. USP grade anhydrous caffeine is entrapped in the pores of copolymer to create a sustained-release delivery system.

Caffeine is often used in topical formulations as an active to promote enhanced skin cell metabolism leading reducing the appearance of cellulite. The Microsponge® C154A delivery system is useful in a variety of topical cosmetic and personal care products and formulations.

### Typical Properties

Composition:	Methyl Methacrylate/Glycol Dimethacrylate Crosspolymer and Caffeine
Appearance:	Smooth white powder
Caffeine Level:	27.0 – 33.0%

### Benefits

- Causes vasoconstriction which is the ability to make blood vessels smaller, therein decreasing redness of the skin
- Especially good for short term improvement in rosacea
- Reduces puffiness around the eyes, rejuvenating youthful eye appearance
- Increases cutaneous microcirculation, reducing the appearance of cellulite dimpling and firming the skin

### Typical Applications

- Facial and body treatments and skin care products, including gels, emulsions, and anhydrous products
- Daily use anti-aging moisturizers and lotions
- Shampoos, conditioners, and other hair products

**Storage Conditions:** Store in unopened container under ambient conditions.

**Shelf Life:** 18 months when stored in proper conditions

