

Benefits and compatibility of Eastman Sustane™ SAIB in formulations containing silicones

Sucrose acetate isobutyrate (SAIB) is a low odor, thermally stable ingredient, produced by the controlled esterification of sugar (sucrose) with acetic and isobutyric anhydrides. In its 100% form, SAIB is extremely viscous. To provide ease of

handling, low-viscosity blends are available. Eastman Sustane™ SAIB products are food grade. SAIB can be used in many cosmetic and personal care applications that contain silicones.

Benefits of Eastman Sustane™ SAIB in cosmetic and personal care formulations with silicones

Application	Recommended SAIB products	Benefits of SAIB
Lipstick, lip gloss, mascara, foundation and concealer	Eastman Sustane™ SAIB MCT Eastman Sustane™ SAIB	Extended wear Transfer resistance Water resistance
Skin cream and lotion	Eastman Sustane™ SAIB MCT	Water resistance
Shampoo and conditioner	Eastman Sustane™ SAIB MCT Eastman Sustane™ SAIB	Body and manageability

Silicones are desired ingredients in many personal care applications. Their performance benefits can be complemented with SAIB.

Below is a guide to SAIB-silicone compatibility. Mixtures are considered compatible if they are clear and homogeneous.

Compatibility of Eastman Sustane™ SAIB with silicones¹

SAIB product 10 wt %	Dimethicone 90 wt %	Cyclopentasiloxane 90 wt %	Phenyl Trimethicone 90 wt %
Eastman Sustane™ SAIB	Incompatible	Incompatible	Compatible
Eastman Sustane™ SAIB MCT	Incompatible	Compatible	Compatible

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Eastman Sustane™ SAIB MCT	Incompatible	Compatible	Compatible

¹ Dow Corning Corporation and GE Silicones are suppliers of dimethicone, cyclopentasiloxane and phenyl trimethicone.

INCI name:

Eastman Sustane™ SAIB: Sucrose Acetate Isobutyrate

Eastman Sustane™ SAIB MCT: Sucrose Acetate Isobutyrate (and)
Caprylic/Capric Triglyceride



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