

# 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 silicones<sup>1</sup>

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

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

<sup>1</sup> 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



# EASTMAN

## Eastman Chemical Company

### Corporate Headquarters

P.O. Box 431  
Kingsport, TN 37662-5280 U.S.A.  
Telephone:  
U.S.A. and Canada, 800-EASTMAN (800-327-8626)  
Other Locations (1) 423-229-2000  
Fax: (1) 423-229-1193  
www.eastman.com

### Eastman Chemical Latin America

9155 South Dadeland Blvd.  
Suite 1116  
Miami, FL 33156 U.S.A.  
Telephone: (1) 305-671-2800  
Fax: (1) 305-671-2805

### Eastman Chemical B.V.

Fascinatio Boulevard 602-614  
2909 VA Capelle aan den IJssel  
The Netherlands  
Telephone: (31) 10 2402 111  
Fax: (31) 10 2402 100

### Eastman Chemical Japan, Ltd.

AIG Aoyama Building 5F  
2-11-16 Minami Aoyama  
Minato-ku, Tokyo 107-0062 Japan  
Telephone: (81) 3-3475-9510  
Fax: (81) 3-3475-9515

### Eastman Chemical Asia Pacific, Pte. Ltd.

#05-04 Winsland House  
3 Killiney Road  
Singapore 239519  
Telephone: (65) 6831-3100  
Fax: (65) 6732-4930

*It is the responsibility of the cosmetic formulator or manufacturer to determine the suitability of all raw materials, including any Eastman product used in its final product in order to ensure safety and compliance with requirements of all appropriate U.S. and international regulatory agencies.*

Material Safety Data Sheets providing safety precautions, that should be observed when handling and storing Eastman products, are available online or by request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

*Neither Eastman Chemical Company nor its marketing affiliates shall be responsible for the use of this information, or of any product, method or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment and for the health and safety of your employees and purchasers of your products. NO WARRANTY IS MADE OF THE MERCHANTABILITY OR FITNESS OF ANY PRODUCT, AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.*

Eastman and Sustane are trademarks of Eastman Chemical Company.

© Eastman Chemical Company, 2009.