

## Eastman™ green biocatalytic process

For cosmetics and personal care ingredients

# Redefining sustainability in cosmetics and personal care

Rising to meet the demand for sustainable and renewable ingredients in the C&PC market, Eastman has developed a customized approach to producing ingredients via a green process that redefines efficiency and environmental responsibility.

### *Eastman™ green biocatalytic process*

- Operates at low temperatures using less energy
- Uses no solvents or strong acids
- Adheres to the EPA's Twelve Principles of Green Chemistry
- Can utilize natural source materials to produce natural ingredients



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### *Did you know . . . that compared to conventional processing*

- We can save over 10L of organic solvent per/kg.
  - We can achieve 86% energy savings (GJ).
  - We can reduce greenhouse gas (kgCO<sub>2</sub> equivalent) up to 86%.
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Winner of the 2009 Presidential  
Green Chemistry Challenge Award

# 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

## **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 (Shanghai) Chemical Commercial Company, Ltd. Jingan Branch**

1206, CITIC Square  
No. 1168 Nanjing Road (W)  
Shanghai 200041, P.R. China

Telephone: (86) 21 6120-8700  
Fax: (86) 21 5213-5255

## **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

[www.eastman.com](http://www.eastman.com)

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