Plasticizer & Feedstock 2015
OX / PA / Oxo Alcohols
March 12th, 2015
Hong Kong, China
www.plasticizersummit.com

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Speech Agenda and Outline

March 12th, Thursday, Morning | 2015

First Session Moderator
Mr. John King, IHS Chemical

09:00 - 09:30
Changing Global Crude Slate and its Impact on Trade Flows
Mr. Daniel Colover, Associate Editorial Director, Platts

09:30 - 10:00
General Chemical Industry Trends and Global Propylene Market Outlook
Mr. John King, VP Chemical Consulting Asia, IHS Chemical

10:00 - Coffee Break

10:45 - 11:15
Regional Developments in Plasticizer Alcohols and Plasticizers
Mr. Mathias Haase, Marketing Plasticizers & Alcohols, BASF

11:15 - 11:45
Ortho-xylene and Phthalic Anhydride Markets in India
Mr. Rajeev Pandia, Advisor & Ex-President, Indian Chemical Council

12:00 - Buffet Lunch @ The Chef's Table / 1F

March 12th, Thursday, Afternoon | 2015

14:00 - 14:30
China DOP Plasticizer Market Trend
Mr. Xiong HongSheng

14:30 - 15:00  Panel Discussion

15:00  Coffee Break

15:45 - 16:15
Highlighting Experimental Evaluations of Biosuccinimide™ Based Plasticizers
Mr. Tristan Li, New Business Development Manager Asia, Reverdia

16:15 - 16:45
Polylhydroxyalkanoates as a safe and green plasticizer for poly(vinyl chloride)
Ms. Irene K.P. TAN, Faculty of Science, University of Malaya

18:00  Buffet Dinner @ Cielo / 47F
March 12th  
16:15 – 18:45  
Polyhydroxyalkanostes as a safe and green plasticizer for poly(vinyl chloride)  
Ms. Irene K.P. TAN  
Institute of Biological Sciences, Faculty of Science  
University of Malaya

Outline
Polyhydroxyalkanostes (PHA) is a polyester produced by some bacteria. It attracts worldwide interests because of its thermoplastic, elastomeric, non-toxic, biodegradable and biocompatible properties. A medium-chain-length PHA was produced using palm kernel oil as fermentation substrate. This PHA was miscible with poly(vinyl chloride) (PVC), and had good binding force. The resultant PVC-PHA blend was softer, more flexible, film compared to unplasticized PVC, as supported by the reduced values of a single Tg and elastic modulus. Thus, medium-chain-length PHA which is produced from renewable resources, is potentially a safe alternative plasticizer for PVC.