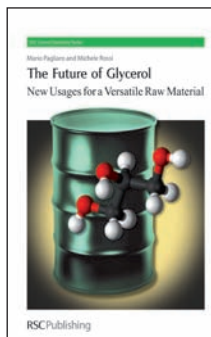


# RSC Book Publishing



## Future of Glycerol

New Usages for a Versatile Raw Material

Authors: Mario Pagliaro and Michele Rossi

Series: RSC Green Chemistry Series

Publisher: Royal Society of Chemistry

ISBN: 9780854041244

Price: £65

Publication date: 03/4/2008

Target audience: Professional and Scholarly

## Synopsis

Biproducts of global biodiesel manufacturing are a modern day global fact, and can be clearly identified as one of the modern day catalysts, responsible for igniting a number of year's worldwide intense research activity into human chemical ingenuity. This book depicts how practical limitations posed by glycerol chemistry are solved based on the understanding of the fundamental chemistry of glycerol and by application of catalysis science and technology. The authors report and comment on employable, practical avenues applicable convert glycerol into value added products of mass consumption. Essential reading from anyone interested in understanding weather biodiesel and glycerol refineries are convenient and economically sound.

## Brief Contents

- Glycerol: Properties and Production
- Aqueous Phase Reforming
- Selective Reduction
- Halogenation
- Dehydration
- Etherification
- Esterification
- Selective Oxidation
- Additive for Cement
- Sustainability of Bioglycerol

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