CHEMIST & STATES OF THE STATES Regule L Fine chemicals process development

EXCLU DU FRET

54(05)-2 CHEMISTRY & INDUSTRY

ISSN 0009-3068

Editor Nigel Davis

Assistant editors

Andrew Miller (News) Lorraine Walters

Clive Lawson

Editorial office

14-15 Belgrave Square.

London SW1X 8PS

Telephone: 01-235-3681

Fax: 01-823 1698

Advertisement office

Harris Associates

5 George Lane

Royston

Herts SG8 9AR Telephone: 0763 245322

Fax: 0763 245505

Manager: Geoff Harris

Management committee

J C L Cox (chairman)

D E Bays, G Hembrough

A J B Soauli

Editorial advisory board

R deB Ashworth, J Counsell, E R Dinnis, J Gregory, D Hands, J F Kennedy, R E Malpas, L McGrath, R H Prince, S Shoop, J M Sidwick, R Smelt, A Wiseman

Chemistry and Industry (ISSN 0009-3058) is published semimonthly by the Society of Chemical Industry, 14-15 Belgrave Square, London SW1X 8PS. All orders accompanied with payment, should be sent directly to the Society of Chemical Industry. The Distribution Centre. Blackhotse Boad, Letchworth. he to SG6 1HN, England, Annual subscription rate for 1989; UK £128.00 Rest of the world (excl. Japan) £152,00 USA \$245.00. Air freight and mailing in the USA by Publications Expediting Inc. 200 Meacham Avenue, Elmont, New York 11003 USA Postmaster send address changes to Chemistry and industry, Publications Expediting Inc. 230 Meacham Avenue, Elmont, New York 11003, Second class postage paid at Lamaica, New York 11431 All other despatches outside the UK by bulk airmail within Europe accelerated surface post outside Europe. Printed in the UK by Strange the Printer Limited, Streatfield Road, Reathfield, East Suspex TN21 8HX and at Granville House, 112 Bermondsey Street, Landon SE1 3TX.

Issue number 5 London 6 March 1989

Indian anger at Bhopal settlement . . . ICI . . . Great Lakes/Octel . . .

Arctic ozone . . . BP chemicals . . . NERC funding . . . Eminase . . .

AIDS research . . . Chemical history . . . Chemistry teaching . . .

Chinese chemical industry . . .

Sixth process development symposium

129 Temocillin - from discovery to production J Peter Clayton

118

145

146

Scale up of the synthesis of ICI 118551 Jonathan Hutton 134

Notification of new substances regulations - the implications for R&D 141

William C Alcorn

Communications to the editor

Protection provided by activated carbon vapour filters against

perfluoroisobutene C Richard Hall, Ian W Lawston and

Anne M Tinsley

The Swern oxidation of N-acylbenzylamines Clive W Bird and Anthony E Lewis

Cover photograph courtesy of the Science Photo Library