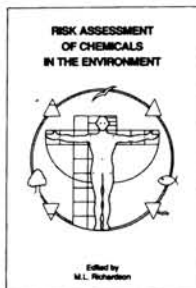


## RISK ASSESSMENT OF CHEMICALS IN THE ENVIRONMENT

Edited by M. L. Richardson, *Chemical Information Group, RSC*



Risk assessment is a multidisciplinary subject with worldwide consequences and this important new book outlines the basic principles involved.

*Risk Assessment of Chemicals in the Environment* is based on the Third FECS Conference on Chemistry and the Environment and provides both up-to-date information and a forum for discussion on the subject.

With worldwide contributions from eminent, internationally known authors, the book covers both chemical and radioactive risk assessment, predictive techniques, risk acceptance (including prediction and reality on isolated and global bases), approaches to the control of chemical disasters and much more... It is divided into four sections as follows: Introduction and Overview;

Contribution of Toxicology to Risk Assessment; Incidental Emissions – Air and Water; and Intentional Emissions.

Also included is a glossary of terms, useful addresses and a subject index.

This book will be of great value to scientists and other professionals, whether experts or novices, involved in any aspect of the safety of chemicals in the environment.

ISBN 0 85186 118 0

Hardcover 604pp

Published 1988

Price £59.50 (\$119.00)

## EXPERIMENTAL TOXICOLOGY

### The Basic Issues

Edited by Diana Anderson, *Head of Genetic and Reproductive Toxicology at British Industrial Biological Research Association* and D. M. Conning, *Director-General of the British Nutrition Foundation*



This important new book is aimed at toxicologists in general and addresses the basic issues concerned with the practice of experimental toxicology.

Principles and methods are discussed in detail, covering experimental design, biochemical issues, animal husbandry, species differences, immunological issues, carcinogenesis, reproductive approaches, statistics, genetics, some *in vitro* and molecular approaches, plus risk assessment, information resources, aspects of legislation, good laboratory practice and laboratory design.

*Experimental Toxicology* will be of great interest to all those practising in the field, as well as to those who wish to gain a basic understanding of what toxicology is all about. It will also be useful to specialists in a other disciplines, who need an introduction to this area.

ISBN 0 85186 108 3

Hardcover 550pp

Published 1988

Price £69.50 (\$138.00)

For further information,  
please write to:  
Royal Society of Chemistry,  
Sales and Promotion department,  
Thomas Graham House,  
Science Park,  
Milton Road,  
Cambridge CB4 4WF. U.K.

To Order, please write to:  
Royal Society of Chemistry, Distribution  
Centre, Blackhorse Road, Letchworth,  
Herts SG6 1HN. U.K.  
or telephone (0462) 672555 quoting  
your credit card details.  
We can now accept Access/Visa/  
MasterCard/Eurocard.

RSC Members are entitled to a  
discount on most RSC publications and  
should write to:  
The Membership Manager,  
Royal Society of Chemistry,  
Thomas Graham House,  
Science Park, Milton Road,  
Cambridge CB4 4WF. U.K.

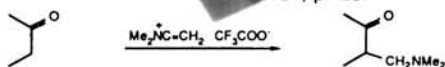
# Lancaster Catalogue

# 8990

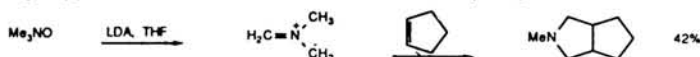


Completely revised  
1152 pages  
1000 new items

6500 literature references to some 2000 items  
Illustrated by 1500 reaction flow-charts  
Semi-bulk and bulk quantity indications  
Extensive cross-referencing



Deprotonation by lithium diisopropylamide at low temperature gives the unstable azomethine ylide, which undergoes 1,3-dipolar addition even with unactivated alkenes, to give pyrrolidines: *J.Chem.Soc., Chem. Commun.*, 31 (1983):



Compare also N-methylmorpholine-N-oxide, 5957, p.710.

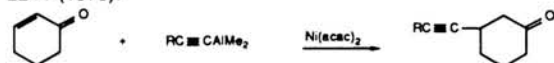
**7854 Nickel acetylacetonate hydrate**  
[Nickel(II)2,4-pentanedionate hydrate]  
F.W. 274.94, m.p. ca 285°(dec), [3264-82-2]

**HARMFUL / POSSIBLE CARCINOGEN**

Please ask for bulk prices (5Kg to 100Kg+)

Catalyst for a variety of useful coupling reactions, including:

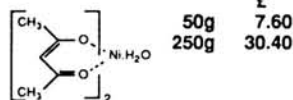
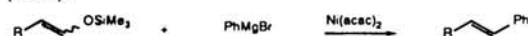
Conjugate addition of alkynylaluminium reagents to enones: *J.Am.Chem.Soc.*, 100, 2244 (1978):



Conjugate addition of cis-alkenylzirconium reagents, from the hydrozirconation of alkynes, to Michael acceptors, with retention of configuration: *J.Am.Chem.Soc.*, 102, 1333 (1980).

Coupling of Grignard reagents to give biaryls: *J.Org.Chem.*, 41, 2252 (1976).

Coupling of Grignard reagents with silyl enol ethers of both aldehydes and ketones, to give alkenes. In contrast to dichlorobis(triphenylphosphine)nickel, 0369, p.335, this reagent gives the thermodynamically more stable alkene: *Tetrahedron Lett.*, 3915 (1980):



# Out Now!

## UNITED KINGDOM

Lancaster Synthesis Ltd.  
Eastgate, White Lund  
Morecambe, Lancs. LA3 3DY  
Linkline: 0800-262336  
Telephone: 0524-36101  
FAX: 0524-39727  
Telex: 65151 (LNC SYN G)

## U.S.A. AND CANADA

Lancaster Synthesis Ltd.  
P.O. Box 1000  
Windham  
New Hampshire 03087  
Toll-free lines: 800-238-2324  
Telephone: 603-889-3306  
FAX: 603-889-3326

## FRANCE

Lancaster Synthesis Ltd.  
17 rue Vauban Zone Industrielle  
F-67450 Mundolsheim  
Strasbourg, France  
Telephone: 88-81-96-00  
FAX: 88-20-27-19  
Telex: 870551 (LNCSTRM F)

## GERMANY

Lancaster Synthesis GmbH  
Querstraße 2  
7640 Kehl, Germany  
Telephone: 07851-75176

## JAPAN

Hydrus Chemical Inc.  
Tomitaka Bldg. 8-1  
Uchikanda 2-chome  
Chiyoda-ku,  
Tokyo 101, Japan  
Telephone: (03) 258-5031  
FAX: (03) 258-6535  
Telex: 2324032 (Hydrus J)

## ITALY

Farmitalia Carlo Erba S.p.A.  
Ufficio Vendite  
Via Imbonati 24  
20159 Milano, Italy  
Telephone: 02-6995/2061-2081



# Send Now!

Make sure you have your **personal** copy