

HAZARD COMMUNICATION

Issues and
Implementation

James E. Brower
editor

STP 932



HAZARD COMMUNICATION: ISSUES AND IMPLEMENTATION

A symposium
sponsored by
ASTM Committee E-34
on Occupational Health and Safety
Houston, TX, 11–12 March 1985

ASTM SPECIAL TECHNICAL PUBLICATION 932
James E. Brower, Brookhaven National Laboratory,
Editor

ASTM Publication Code Number (PCN)
04-932000-55



1916 Race Street, Philadelphia, PA 19103

Library of Congress Cataloging-in-Publication Data

Hazard communication: issues and implementation.

(ASTM special technical publication; 932)

“ASTM publication code number (PCN) 04-932000-55.”

Includes bibliographies and index.

1. Industrial hygiene—Law and legislation—United States—Congresses. 2. Hazardous substances—Law and legislation—United States—Congresses. 3. Industrial safety—Law and legislation—United States—Congresses. 4. Industrial hygiene—United States—Congresses. 5. Hazardous substances—United States—Congresses. 6. Industrial safety—United States—Congresses. I. Brower, James E. II. ASTM Committee E-34 on Occupational Health and Safety. III. Series.
KF3570.A2H39 1986 344.73'0465 86-22228
ISBN 0-8031-0933-4 347.304465

Copyright © by AMERICAN SOCIETY FOR TESTING AND MATERIALS 1986
Library of Congress Catalog Card Number: 86-22228

NOTE

The Society is not responsible, as a body,
for the statements and opinions
advanced in this publication.

Foreword

This publication, *Hazard Communication: Issues and Implementation*, contains papers presented at the symposium on Hazard Communication, which was held in Houston, Texas, 11-12 March 1985. The symposium was sponsored by ASTM Committee E-34 on Occupational Health and Safety. James E. Brower, Brookhaven National Laboratory, presided as symposium chairman and is editor of this publication. During peer review and revision, the papers presented in this book were updated in almost all cases to April 1, 1986.

Related ASTM Publications

Inhalation Toxicology of Air Pollution, STP 872 (1985), 04-872000-17

Definitions for Asbestos and Other Health-Related Silicates, STP 834 (1984),
04-834000-17

A Note of Appreciation to Reviewers

The quality of the papers that appear in this publication reflects not only the obvious efforts of the authors but also the unheralded, though essential, work of the reviewers. On behalf of ASTM we acknowledge with appreciation their dedication to high professional standards and their sacrifice of time and effort.

ASTM Committee on Publications

ASTM Editorial Staff

David D. Jones
Janet R. Schroeder
Kathleen A. Greene
Bill Benzing

Contents

Introduction: Communication of Hazard Information—Who is Responsible?— JAMES E. BROWER	1
REGULATORY AND COMPLIANCE ISSUES	
The OSHA Hazard Communication Standard— D. W. McDANIEL	13
OSHA’s Hazard Communication Standard Falls Short— F. M. MABRY, M. M. SEMINARIO, AND M. BARKMAN	20
Training Programs: The Key Link to OSHA’s Hazard Communication Standard— A. A. CAPUANO	32
Labels and Material Safety Data Sheets in Hazard Communication— M. FREIFELD	39
Panel Discussion: Regulatory and Compliance Issues	55
INDUSTRY PROGRAMS	
Federal Versus State Hazard Communication: A Chemical Industry Perspective— T. F. EVANS	75
The Hazard Communication Program at Minnesota Mining and Manufacturing: “You Need to Know”— J. L. BUTENHOFF AND W. C. McCORMICK III	89
Panel Discussion: Industry Programs	98
OTHER JURISDICTIONS AND LEGAL ISSUES	
Right-To-Know Legislation in New York State: Provisions and Implementation— R. R. STONE	109
Overview of the Implementation of a Statewide Worker and Community Right-to-Know Act— H. L. GARIE, C. CHESS, AND E. STEVENSON	118
Hazard Communication in Other Jurisdictions: A Proposed Canadian System— G. C. GRANVILLE	124

Legal Issues Related to the Hazard Communication Standard— C. M. BOCCELLA	131
Panel Discussion: Other Jurisdictions and Legal Issues	150
INFORMATION RESOURCES	
Hazards of Toxicity Information—L. M. WISEMAN	169
Using the Micro-CSIN Workstation to Provide Chemical Hazard Information—J. M. HUSHON AND T. J. CONRY	176
Hazard Communication Information: A History and Commentary on the MSDS Problems—J. S. BRANSFORD, JR.	199
Panel Discussion: Information Resources	206
Summary: The Hazard Communication Standard—Issues and Impacts—JAMES E. BROWER	212
Index	225

