

QUEEN  
Z  
7914  
.H29  
D7  
1985

Canada

*F. Zomer*

Bibliographie sur le  
formaldéhyde et la  
mousse isolante  
d'urée-formaldéhyde  
(MIUF)

Bibliography on  
Formaldehyde and  
Urea Formaldehyde  
Foam Insulation  
(UFFI)

27914  
.H29  
D72  
1985  
c.1  
MAIN



Consommation  
et Corporations  
Canada

Consumer and  
Corporate Affairs  
Canada

BIBLIOGRAPHIE SUR LE FORMALDÉHYDE  
ET LA MOUSSE ISOLANTE D'URÉE-  
FORMALDÉHYDE (MIUF)

BIBLIOGRAPHY ON FORMALDEHYDE  
AND UREA FORMALDEHYDE FOAM  
INSULATION (UFFI)

Centre sur la MIUF  
Mars 1985

UFFI Centre  
March 1985

68065 773

REMERCIEMENTS

La "Bibliography on urea-formaldehyde foam insulation and indoor air quality" compilée en juillet 1984 par la Division des recherches en bâtiment du Conseil national de recherches Canada a été une source primaire d'information pour le Centre de documentation de la MIUF ainsi que pour la présente bibliographie.

On apprécie aussi la collaboration du personnel de la bibliothèque de Consommation et Corporations Canada.

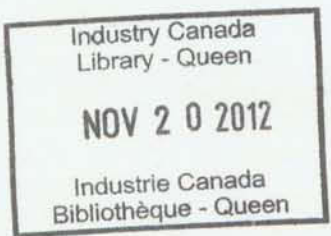
Cette bibliographie a été préparée par Anne Draper.

RECHERCHES EN BÂTIMENT  
DIVISION DES RECHERCHES EN BÂTIMENT  
CONSEIL NATIONAL DE RECHERCHES CANADA

BIBLIOTHÈQUE DE LA MIUF  
CENTRE DE DOCUMENTATION DE LA MIUF  
MINISTÈRE DE LA CONSOMMATION ET DES CORPORATIONS



Z7914  
- H29  
D72  
1985  
c.1  
MAIN



RECHERCHES EN BÂTIMENT  
DIVISION DES RECHERCHES EN BÂTIMENT

BIBLIOTHÈQUE DE LA MIUF  
CENTRE DE DOCUMENTATION DE LA MIUF

## ACKNOWLEDGEMENTS

The "Bibliography on urea-formaldehyde foam insulation and indoor air quality" compiled in July 1984 by the Division of Building Research, National Research Council of Canada has been a primary source of material for the UFFI Reference Centre and this bibliography.

We also wish to acknowledge the cooperation of the staff of the Departmental Library, Consumer and Corporate Affairs Canada.

This bibliography was prepared by Anne Draper.

TABLE DES MATIÈRESTABLE OF CONTENTS

	<u>Page</u>	
Avant-propos .....	i - ii	Introduction
Portée .....	iii - iv	Scope
Qualité de l'air - Intérieur .....	1	Air Quality - Indoors
Qualité de l'air - Extérieur .....	8	Air Quality - Outdoors
Contrôle/Mesures correctives .....	10	Control/Remedial Measures
Risques pour la santé .....	13	Health Effects
Risques pour la santé - Allergies .....	26	Health Effects - Allergies
Risques pour la santé - Cancer .....	31	Health Effects - Cancer
Instruments et méthodes de tests .....	33	Instrumentation and Testing Methods
Lois et règlements .....	51	Legislation and Regulations
Propriétés physiques/ chimiques .....	54	Physical/Chemical Properties
Propriétés physiques/ chimiques - Émission .....	62	Physical/Chemical Properties - Emission
Normes .....	65	Standards
Toxicologie .....	66	Toxicology
Toxicologie - Effets génétiques .....	79	Toxicology Genetic Effects

## AVANT-PROPOS

En décembre 1980, le gouvernement canadien interdisait l'utilisation de la mousse isolante d'urée-formaldéhyde (MIUF) en vertu de la Loi sur les produits dangereux. En juin 1981 fut créé un Centre d'information et de coordination sur la MIUF dont le mandat consistait à évaluer l'étendue des problèmes causés par ce matériau. Ce mandat original fut par la suite redéfini pour confier au Centre le soin d'appliquer le Programme sur la MIUF et de coordonner la recherche dans ce domaine.

La bibliographie exposée ci-après n'est pas exhaustive, mais elle fait mention de la plupart des documents de référence existants sur la MIUF et le formaldéhyde. Elle tient aussi compte de l'ensemble des sujets qui ont un rapport direct avec la MIUF ou le formaldéhyde.

Pour obtenir l'un ou l'autre de ces documents, prière de s'adresser à la bibliothèque ministérielle, Consommation et Corporations Canada.

## INTRODUCTION

In December of 1980 the Canadian government banned the use of urea formaldehyde foam insulation (UFFI) under the Hazardous Products Act. In June of 1981 the UFFI Information and Coordination Centre was established. Its original mandate was to evaluate the extent of the problems with this insulating material. The mandate was subsequently refined, effectively giving the Centre responsibility for the administration of the Program and the coordination of research into UFFI.

Although not exhaustive, the following bibliography contains most references which pertain to UFFI itself and to formaldehyde. It also refers to relevant subject matter which derives directly from either of these two areas.

Requests for any of these references can be made to the Departmental Library, Consumer and Corporate Affairs Canada.

## PORTÉE

L'objet de la présente bibliographie est de réunir tous les documents qui traitent du formaldéhyde et de la mousse isolante d'urée-formaldéhyde (MIUF) et qui peuvent intéresser les personnes suivantes :

1. celles qui étudient le formaldéhyde et(ou) la MIUF et leurs effets sur les personnes et leur environnement;
2. celles qui, dans le cadre de leur travail, sont en contact avec le formaldéhyde et(ou) la MIUF;
3. les profanes qui s'intéressent au formaldéhyde et(ou) à la MIUF, à leurs caractéristiques, à leurs effets sur la santé et la qualité de l'air.

Établie à partir des documents de référence qui se trouvent au Centre de documentation sur la MIUF, la bibliographie tient compte des travaux de recherche et des domaines d'intérêt du Centre d'information et de coordination sur la MIUF. C'est pour cette raison que la majorité des documents qui y sont cités sont des documents techniques qui s'adressent à des techniciens et à des scientifiques. Cependant, un certain nombre d'entre eux sont des documents d'intérêt général, écrits pour les profanes.

Les documents sont regroupés sous neuf rubriques. Aux fins de la bibliographie, la rubrique "Effets sur la santé" signifie les effets sur la santé des êtres humains, tandis que la rubrique "Toxicologie" se rapporte aux documents traitant des effets sur la santé des animaux. Les documents qui traitent à la fois des effets sur la santé des êtres humains et des animaux ont été inscrits sous la rubrique "Effets sur la santé". Les publications qui traitent de plusieurs aspects du formaldéhyde et(ou) de la MIUF sont mentionnées à la rubrique "Propriétés physiques et chimiques".

La plupart des documents de référence énumérés dans la présente bibliographie sont rédigés en français et en anglais. On y trouve aussi les documents rédigés dans d'autres langues. Enfin, lorsque certains documents contiennent un bref résumé en français ou en anglais, ce fait est indiqué.

Les documents énumérés dans la bibliographie appartiennent aux catégories suivantes: monographies, brochures et articles, éditoriaux et lettres à l'éditeur tirés de périodiques. Les coupures de journaux, les communiqués de presse et les textes publicitaires n'y figurent pas.



## SCOPE

The purpose of this bibliography is to bring together literature on formaldehyde and urea formaldehyde foam insulation (UFFI) which will be of interest to the following groups of persons:

1. those studying formaldehyde and/or UFFI and their effects on people and the environment
2. those whose occupations bring them into contact with formaldehyde and/or UFFI
3. laypersons interested in the subjects, their characterization, possible health effects and impact on air quality.

The bibliography is based on the holdings of the UFFI Reference Centre, and reflects the research activities and interests of the UFFI Information and Coordination Centre. For this reason, a majority of the literature cited herein is of a technical nature and is directed towards a technical and scientific audience. However, a number of the documents cited are general in scope and directed towards the layperson.

References have been listed under nine subject headings. For the purposes of this bibliography, the heading "Health Effects" is defined as relating to health effects on humans, while the heading "Toxicology" has been defined as relating to effects on animals. Materials discussing both have been included under "Health Effects". Publications discussing several aspects of formaldehyde and/or UFFI have been listed under "Physical/Chemical Properties".

Most of the literature contained in the bibliography is in English and French. Documents in other languages have been included and those containing a summary in English or French have been so indicated.

The types of literature included are: monographs, pamphlets, and articles, editorials and letters to the editor appearing in periodicals. Newspaper clippings, media releases and advertisements have been excluded.

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

ANONYMOUS  
1985

Air quality measurements in airtight houses. Energy Design Update, 4(1):3-5, 1985.

ALCARESE, Andrew A.  
1983

Industrial hygiene characterization of urea formaldehyde and polyurethane foam insulation / by Andrew A. Alcarese and Robert P. Reisdorf. Cincinnati, Ohio: NIOSH, 1983. 130 p.

1980

Industrial hygiene characterization of urea formaldehyde and polyurethane foam insulation / by Andrew A. Alcarese and Robert P. Reisdorf. Cincinnati, Ohio: NIOSH, 1980. 130 p.

BEALL, James R.  
1981

Toxicity of volatile organic compounds present indoors / by James R. Beall and A.G. Ulsamer. New York Academy of Medicine Bulletin, 57(10):978-996, December 1981.

BERGLUND, B.  
1982

A longitudinal study of air contaminants in a newly built preschool / by B. Berglund, I. Johansson and T. Lindvall. Stockholm, Sweden: National Institute of Environmental Medicine, 1982. 9 p.

BERNSTEIN, Robert S.  
1984

Nonoccupational exposures to indoor air pollutants: a survey of state programs and practices / by Robert S. Bernstein...[et al]. American Journal of Public Health, 74(9):1020-1023, September 1984.

**QUALITÉ DE L'AIR - INTÉRIEUR**  
**AIR QUALITY - INDOORS**

CENTRE SUR LA MIUF  
1983

Rapport final de l'enquête nationale de vérification effectué par le Centre d'information et de coordination sur la mousse isolante d'urée-formaldéhyde (CIC-MIUF) / préparé par le Centre sur la MIUF. Hull, Québec: le Centre, 1983. 73 p.

1981

Premier supplément au rapport sur le programme national de vérification présenté à la commission d'examen / par le Centre d'information et de coordination sur la MIUF. Hull, Québec: le Centre, 1981. 3 p.

1981

Rapport concernant l'enquête nationale de vérification présenté devant la commission d'examen / par le Centre d'information et de coordination sur la MIUF. Hull, Québec: le Centre, 1981. 22 p.

COHEN, Kenneth S.  
1984

Hidden chemical dangers may exist despite safety precautions / by Kenneth S. Cohen. Occupational Health and Safety, February 1984, pp. 38-39.

DALLY, Kay A.  
1981

A follow-up study of indoor air quality in Wisconsin homes / by K.A. Dally...[et al]. [Wisconsin]: Wisconsin Division of Health, 1981.

1981

Formaldehyde exposure in nonoccupational environments / by Kay A. Dally...[et al]. Archives of Environmental Health, 36(6):277-284, 1981.

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

DIAMOND, Richard C.  
1983

Manual on indoor air quality / by Richard C. Diamond  
and David T. Grimsrud. Berkeley, California: Lawrence  
Berkeley Laboratory, 1983. [92] p.

GAMMAGE, Richard B.  
1983

Temporal fluctuations of formaldehyde levels inside  
residences / by Richard B. Gammage...[et al]. Proceedings  
of the International Specialty Conference on: Measurement  
& Monitoring of Non-Criteria (Toxic) Contaminants in Air,  
March 22-24, 1983, 1983, pp. 453-462.

GIRMAN, J.R.  
1982

Sources and concentrations of formaldehyde in indoor  
environments / by J.R. Girman, K.L. Geisling and  
A.T. Hodgson. Berkeley, California: Lawrence Berkeley  
Laboratory, 1983. 21 p.

GUMSLEY, P.A.  
1976

An unusual case of formaldehyde fumes in a new  
dwelling house / by P.A. Gumsley. Environmental Health,  
84:181-182, July 1976.

HOLLOWELL, Craig D.  
1981

Indoor air quality / by C.D. Hollowell. Berkeley,  
California: Lawrence Berkeley Laboratory, 1981. 12 p.

HOLLOWELL, Craig D.  
1981

Sources and concentrations of organic compounds in  
indoor environments / by Craig D. Hollowell and  
Robert R. Miksch. New York Academy of Medicine. Bulletin,  
57(10):962-977, 1981.

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

1978

Impact of reduced infiltration and ventilation on indoor air quality in residential buildings / by Craig D. Hollowell, James V. Berk and Gregory W. Traynor. Berkeley, California: Lawrence Berkeley Laboratory, November 1978. 13 p.

KONOPINSKI, Virgil J.  
1983

Formaldehyde in office and commercial environments / by Virgil J. Konopinski. American Industrial Hygiene Association Journal, 44(3):205-208, 1983.

LAFAVORE, Michael  
1982

Clean air indoors / by Michael Lafavore. Rodale's New Shelter, 3(5):20-26, May/June 1982.

LAST, J.M.  
1984

Health hazards of the indoor environment = Les risques de santé à l'intérieur des bâtiments / by J.M. Last. Canadian Journal of Public Health, 75:189-191, May/June 1984.  
[Bilingual text].

LIN, Chin-I  
1979

Indoor/outdoor measurements of formaldehyde and total aldehydes / by Chin-I Lin...[et al]. Berkeley, California: Lawrence Berkeley Laboratory, July 1979. 12 p.

LIPSCHUTZ, R.D.  
1981

Infiltration and indoor air quality in energy efficient houses in Eugene, Oregon / by R.D. Lipschutz...[et al]. Berkeley, California: Lawrence Berkeley Laboratory, 1981. 49 p.

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

LONG, Charles

Indoor air pollution / by Charles Long. Canadian Consumer, 14(6):9-15, 1984.

1984

Pollution de l'air intérieur / par Charles Long. Consommateur Canadien, 14(6):9-15, 1984.

MEYER, Beat

1984

Formaldehyde indoor air problems / by Beat Meyer and Karl Hermanns. Paper presented at the 77th Annual Meeting of the Air Pollution Control Association, San Francisco, California, June 24-29, 1984, [1984], 15 p.

MOSCHANDREAS, Demetrios J.

1983

Emission factors of volatile organic compounds and other air constituents from unvented gas appliances / by Demetrios J. Moschandreas. Proceedings of the International Specialty Conference on: Measurement and Monitoring of Non-Criteria (Toxic) Contaminants in Air, March 22-24, 1983, 1983, pp. 425-434.

NATIONAL RESEARCH COUNCIL

1984

Bibliography on urea-formaldehyde foam insulation and indoor air quality / compiled by Nancy Fung, Céline Dupuis and Madeleine Rousseau. Ottawa: National Research Council of Canada, 1984. 30 p.

NIEMELA, Raimo

1981

Formaldehyde exposure in work and the general environment: occurrence and possibility for prevention / by Raimo Niemela and Harri Vainio. Scandinavian Journal of Work and Environmental Health, 7:95-100, 1981.

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

SCHUTTE, W.C.  
1981

Problems associated with the use of urea-formaldehyde foam for residential insulation: part II: residential studies in Colorado and Wisconsin / by W.C. Schutte...[et al]. Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1981. 10 p.

SKISAK, Christopher M.  
1983

Formaldehyde vapor exposures in anatomy laboratories / by Christopher M. Skisak. American Industrial Hygiene Association Journal, 44(12):948-950, 1983.

STOCK, Thomas  
1984

Investigation of indoor air quality in manufactured housing / by Thomas Stock...[et al]. Paper presented at the American Chemical Society 187th National Meeting held in St-Louis, Missouri, April 8-11, 1984: Symposium on Formaldehyde, [1984]. 22 p.

TRAYNOR, Gregory W.  
1982

Indoor air pollution from portable kerosene fired space heaters, wood-burning stoves, and wood-burning furnaces / by Gregory W. Traynor...[et al]. Proceedings of the Specialty Conference on Residual Wood Coal Combustion, 1982, pp. 253-63.

UFFI CENTRE  
1983

Final report of the national testing survey conducted by the Urea Formaldehyde Foam Insulation and Coordination Centre (UFFI-ICC) / prepared by the UFFI Centre. Hull, Quebec: the Centre, 1983. 70 p.

QUALITÉ DE L'AIR - INTÉRIEUR  
AIR QUALITY - INDOORS

UFFI CENTRE  
1981

The report on the national testing survey to the Board of Review / by the Urea Formaldehyde Foam Insulation Information and Coordination Centre. Hull, Quebec: the Centre, 1981. 19 p.

1981

Supplement no. 1 to the report on the national testing survey to the Board of Review / by the Urea Formaldehyde Foam Insulation Information and Coordination Centre. Hull, Quebec: the Centre, 1981. 3 p.

WALSH, Phillip J.  
1984

Indoor air quality / edited by Phillip J. Walsh, Charles S. Dudley and Emily D. Copenhaver. Boca Raton, Florida: CRC Press, 1984. 207 p.

WILLIAMS, David T.  
1981

Formaldehyde levels in the air of houses containing urea-formaldehyde foam insulation / by David T. Williams, Rein Otson and Peter D. Bothwell. Canadian Journal of Public Health, 72:331-334, 1981.



QUALITÉ DE L'AIR - EXTÉRIEUR  
AIR QUALITY - OUTDOORS

QUALITÉ DE L'AIR - EXTÉRIEUR  
AIR QUALITY - OUTDOORS

CLEVELAND, William S.  
1977

Urban formaldehyde: observed correlation with source emissions and photochemistry / by William S. Cleveland, Thomas E. Graedel and Beat Kleiner. Atmospheric Environment, 11:357-360, 1977.

GROSJEAN, Daniel  
1983

Carbonyls in urban fog, ice fog, cloudwater and rainwater / by Daniel Grosjean and Barbara Wright. Atmospheric Environment, 17(10):2093-2096, 1983.

1982

Formaldehyde and other carbonyls in Los Angeles ambient air / by Daniel Grosjean. Environmental Science and Technology, 16(5):254-262, 1982.

LIPARI, Frank  
1984

Aldehyde emissions from wood-burning fireplaces / Frank Lipari, Jean M. Dasch and William F. Scruggs. Environmental Science and Technology, 18(5):326-330, 1984.

LOWE, David C.  
1983

Formaldehyde (HCHO) measurements in the nonurban atmosphere / by David C. Lowe and Ulrich Schmidt. Journal of Geophysical Research, 88(C15):10,844-10,858, 1983.

**QUALITÉ DE L'AIR - EXTÉRIEUR**  
**AIR QUALITY - OUTDOORS**

STAHL, Quade R.  
1969

Preliminary air pollution survey of aldehydes: a literature review / by Quade R. Stahl. Raleigh, North Carolina: U.S. Department of Health, Education, and Welfare, National Air Pollution Control Administration, 1969. 134 p.

**CONTROLE/MESURES CORRECTIVES  
CONTROL/REMEDIAL MEASURES**

**CONTROLE/MESURES CORRECTIVES  
CONTROL/REMEDIAL MEASURES**

BOWEN, R.P.  
1981

L'isolant thermique en mousse d'urée-formaldéhyde: identification du problème et mesures correctives pour la construction à ossature de bois / par R.P. Bowen, G.A. Shirtliffe et G.A. Chown. Ottawa: Conseil national de recherches du Canada, Division des recherches en bâtiment, 1981. 65 p. (Note d'information sur la construction; 23F).

1981

Urea formaldehyde foam insulation: problem identification and remedial measures for wood-frame construction / by R.P. Bowen, C.J. Shirtliffe and G.A. Chown. Ottawa: National Research Council of Canada, Division of Building Research, 1981. 63 p. (Building practice note; 23).

CALVÉ, L.R.  
1984

Reducing formaldehyde emission from particleboard with urea-salt or sulfite liquor / by L.R. Calvé and G.G. Brunette. Adhesives Age, 27(9):39-43, 1984.

CENTER FOR SURFACE TECHNOLOGY  
1982

Activities of COT concerning: cavity foam from wood panel boards, remedial methods for formaldehyde in houses / by the Center for Surface Technology (COT). Haarlem, Holland: COT, 1982.

CENTRE SUR LA MIUF  
n.d.

Démolition d'habitations isolées à la MIUF: règles à observer et précautions à prendre. Hull, Québec: Centre sur la MIUF, [n.d.]. 10 p.

**CONTROLE/MESURES CORRECTIVES  
CONTROL/REMEDIAL MEASURES**

CHOWN, G.A.  
1981

L'Isolant thermique en mousse d'urée-formaldéhyde /  
par G.A. Chown, R.P. Bowen et C.J. Shirtliffe. Ottawa,  
Ontario: Conseil National de recherches du Canada, Division  
des recherches en bâtiment, 1981. 11 p. (Note  
d'information sur la construction; 19F).

1981

Urea formaldehyde foam insulation / by G.A. Chown,  
R.P. Bowen and C.J. Shirtliffe. Ottawa, Ontario: National  
Research Council of Canada, Division of Building Research,  
1981. 10 p. (Building practice note; 19).

DIDAK CORPORATION  
1983

Training manual on: corrective measures for residences  
insulated with urea formaldehyde foam insulation (UFFI) /  
prepared by DIDAK Corporation; updated by Consumer and  
Corporate Affairs Canada. [Ottawa, Ontario]: Consumer and  
Corporate Affairs Canada, 1983. 311 p.

DUNLAP, L.  
1982

Urea formaldehyde foam insulation: problem  
identification and remedial measures / by L. Dunlap.  
Chatswood, New South Wales, Australia: Experimental  
Building Station, Department of Transport and Construction,  
1982. 24 p. (EBS Technical record; 488).

EDWARDS, F.P.  
1984

Removal of formaldehyde and xylene fumes from  
histopathology laboratories: a functional approach to the  
design of extraction systems / by F.P. Edwards,  
A.R. Campbell. Journal of Clinical Pathology, 37:401-408,  
1984.

**CONTROLE/MESURES CORRECTIVES  
CONTROL/REMEDIAL MEASURES**

GROAH, William J.  
1984

Effect of a decorative vinyl overlay on formaldehyde emissions / by William J. Groah, Gary D. Gramp, and Michael Trant. Forest Products Journal, 34(4):27-29, April 1984.

MOLHAVE, L.  
1980

The effect of a chemical surface-treatment on formaldehyde emission from particleboards / by L. Molhave. Holzforschung und Holzverwertung, 32(6):137-138, 1980.

MORTIMER, Vincent D.  
1984

In-depth survey report: control technology for formaldehyde emissions at Hillcrest Veneer Plant, High Point, North Carolina / by Vincent D. Mortimer. Cincinnati, Ohio: NIOSH, 1984. 26 p.

SCANADA CONSULTANTS LIMITED  
1984

Investigation of a technique to reduce air leakage in the wall cavities of older homes / by Scanada Consultants Limited. Ottawa, Ontario: Canada Mortgage and Housing Corporation, [1984?]. 54 p.

UFFI CENTRE  
n.d.

Guide to demolition of a UFFI house / Hull, Quebec:  
The UFFI Centre, [n.d.]. 9 p.

WERNER, Jan  
1980

Experiences gained during formaldehyde decontamination / by Jan Werner. Stockholm, Sweden: Swedish Water and Air Pollution Institute, 1980. 17 p. [In Swedish].

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

ANONYMOUS  
1983

Formaldehyde: the problem that won't go away.  
Changing Times, 2:52-55, February 1983.

ANONYMOUS  
1983

Déclaration d'experts sur les risques pour la santé  
de la mousse isolante d'urée-formaldéhyde.  
Bulletin/Corporation professionnelle des médecins du  
Québec, 23(3):1-2;4-6, November/December, 1983.

ANONYMOUS  
1981

The health hazards of formaldehyde. The Lancet,  
April 25, 1981, pp. 926-927.

ANONYMOUS  
1981

UFFI Update: health and home problems surface: a  
CAC report. Canadian Consumer, August 1981, p. 42.

ANONYMOUS  
1979

Formaldehyde toxicity. The Lancet, 2(8143):620-621,  
September 22, 1979.

ALEXANDERSSON, Rolf  
1982

Exposure to formaldehyde: effects on pulmonary  
function / by Rolf Alexandersson, Birgitta Kolmodin-Hedman  
and Goran Hedenstierna. Archives of Environmental Health,  
37(5):279-283, September/October 1982.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

ANCONA-ALAYON, A.  
1976

Dermatitis from epoxy resin and formaldehyde in  
shampoo packers / by A. Ancona-Alayon,  
J.L. Jimenez-Castilla and E.M. Gomez-Alvarez. Contact  
Dermatitis, 2:356, 1976.

ANDERSON, Ib  
1983

Controlled human studies with formaldehyde / by  
Ib Anderson and Lars Molhave. IN: Formaldehyde Toxicity  
/ edited by James E. Gibson. Washington, D.C.:  
Hemisphere Publishing, 1983, pp. 154-165.

AYER, Howard E.  
1982

Irritants in cigarette smoke plumes / by Howard E.  
Ayer and David W. Yeager. American Journal of Public  
Health, 72(11):1283-1285, November 1982.

BARNES, W.C.  
1983

Health effects of formaldehyde exposure: management  
and employee cooperation is needed for the safe use of  
formaldehyde / by W.C. Barnes. Tappi Journal,  
66(5):55-59, May 1983.

BERNSTEIN, Robert S.  
1984

Inhalation exposure to formaldehyde: an overview of  
its toxicology, epidemiology, monitoring, and control / by  
Robert S. Bernstein...[et al]. American Industrial  
Hygiene Association Journal, 45(11):778-785, 1984.

BREYSSE, Peter A.  
1981

The health cost of "tight" homes / by  
Peter A. Breyse. Journal of the American Medical  
Association (JAMA), 245(3):267-268, January 16, 1981.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

BREYSSE, Peter A.  
1977

Formaldehyde in mobile and conventional homes / by  
Peter A. Breysse. Environmental Health & Safety News,  
25(1-6), 1977. 20 p.

CAMPBELL, J.S.  
1981

Current status of urea-formaldehyde foam insulation /  
by J.S. Campbell and J.R. Harrison. Canadian Medical  
Association Journal, 125:329-330, August 15, 1981.

CENTRE DE TOXICOLOGIE DU QUÉBEC  
n.d.

Programme de dépannage des victimes de la  
mousse-d'urée-formaldéhyde: protocole d'évaluation des  
effets sur la santé / par le Centre de Toxicologie du  
Québec. [Sainte Foy], Québec: le Centre, [n.d.].

1982

Assistance program for victims of urea formaldehyde  
foam: assessment of effects on health / by the Centre de  
Toxicologie du Québec. [Sainte Foy], Québec: the Centre,  
[1982?] 39 p.

1982

Effets sur la santé observés au niveau des familles  
exposées à la mousse isolante d'urée-formaldéhyde (MIUF):  
situation actuelle et perspectives de recherches / par le  
Centre de Toxicologie du Québec. [Sainte-Foy], Québec:  
le Centre, 1982. 17 p.

1982

Health effects observed in families exposed to  
urea-formaldehyde foam insulation (UFFI): present  
situation and research perspectives / by the Centre de  
Toxicologie du Québec. [Sainte-Foy], Québec: le Centre,  
1982. 17 p.



**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

CLARY, John J.  
1982

Review of general health effects of formaldehyde / by John J. Clary. Proceedings of the Annual Meeting of the Air Pollution Control Association, 45(2):32-30.5, 1982.

DAY, J.H.  
1984

Respiratory response to formaldehyde and off-gas of urea formaldehyde foam insulation / by J.H. Day...[et al]. Canadian Medical Association Journal, 131:1061-1065, November 1, 1984.  
[In English with French summary].

DOSSING, Martin  
1981

Effects of formaldehyde on the staffs of selected day care centres / by Martin Dossing and Jorgen H. Olsen. Ugeskrift for Laeger, 143:2841-2844, 1981.  
[In Danish with English summary].

EUROPEAN CHEMICAL INDUSTRY ECOLOGY AND TOXICOLOGY CENTRE  
1981

Assessment of data on the effects of formaldehyde on humans / by the European Chemical Industry Ecology and Toxicology Centre. Brussels: ECETOC, 1981. 33 p.  
(ECETOC Technical report; no. 1).

FASSBINDER, W.  
1979

Haemolysis due to formaldehyde induced anti-N-like antibodies in haemodialysis patients / by W. Fassbinder, U. Frei, and K.M. Koch. Klinische Wochenschrift, 57:673-679, 1979.  
[In English with German summary].

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

FAWCETT, Susan  
1984

Formaldehyde: if it smells new, watch out! / by  
Susan Fawcett. Medical Selfcare Magazine, Summer 1984,  
pp. 21-23.

FEIGAL, Robert J.  
1983

Potential contraindications for the use of  
formaldehyde in dentistry / by Robert J. Feigal. Illinois  
Dental Journal, 52(2):90-92, March/April 1983.

FLEIG, I.  
1982

Cytogenetic analyses of blood lymphocytes of workers  
exposed to formaldehyde in formaldehyde manufacturing and  
processing / by I. Fleig... [et al]. Journal of  
Occupational Medicine, 24(12):1009-1012, December 1982.

GAMBLE, John  
1983

Effects of formaldehyde on the respiratory system /  
by John Gamble. IN: Formaldehyde toxicity / edited by  
James E. Gibson. Washington, D.C.: Hemisphere  
Publishing, 1983, pp. 175-197.

1976

Respiratory function and symptoms: an  
environmental-epidemiological study of rubber workers  
exposed to a phenol-formaldehyde type resin / by  
John F. Gamble...[et al]. American Industrial Hygiene  
Association Journal, September 1976, pp. 449-513.

GARRY, Vincent F.  
1980

Formaldehyde in the home: some environmental disease  
perspectives / by Garry F. Vincent...[et al]. Minnesota  
Medicine, February 1980, pp. 107-111.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

GODISH, Thad  
1981

Formaldehyde and building-related illness / by  
Thad Godish. Journal of Environmental Health,  
44(3):116-121, 1981.

GUPTA, K.C.  
1982

Formaldehyde in indoor air: sources and toxicity /  
by K.C. Gupta, A.G. Ulsamer, and P.W. Preuss. Environment  
International, 8:349-358, 1982.

HARRIS, D. Kenwin  
1953

Health problems in the manufacture and use of  
plastics / by D. Kenwin Harris. British Journal of  
Industrial Medicine, 10:255-268, 1953.

HARRIS, John C.  
1981

Toxicology of urea formaldehyde and polyurethane foam  
insulation / by John C. Harris, Barry H. Rumack and  
Franklin D. Aldrich. Journal of the American Medical  
Association (JAMA), 245(3):243-246, January 16, 1981.

HARRISON, John R.  
1984

Indoor air quality and health aspects of formaldehyde  
/ by John R. Harrison, G.S. Wiberg and J.S. Campbell.  
Modern Medicine of Canada, 39(11):1197-1200, 1984.

1984

Urea formaldehyde foam insulation: an update / by  
John R. Harrison, G. Stuart Wiberg and James S. Campbell.  
Canadian Medical Association Journal, 130:351, 356,  
February 15, 1984.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

HEMMINKI, K.  
1982

Spontaneous abortions in hospital staff engaged in sterilising instruments with chemical agents / by K. Hemminki...[et al]. British Medical Journal, 285(20):1461-1463, November 1982.

HOEY, John R.  
1984

Health risks in homes insulated with urea formaldehyde foam / by John R. Hoey...[et al]. Canadian Medical Association Journal, 130:115-117, January 15, 1984.

KERFOOT, Edward J.  
1975

Formaldehyde and paraformaldehyde study in funeral homes / by Edward J. Kerfoot and Thomas F. Mooney. American Industrial Hygiene Association Journal, July 1975, pp. 533-537.

L'ABBÉ, Kristan A.  
1984

Review of the health effects of urea-formaldehyde foam insulation / by Kristan A. L'Abbé and John R. Hoey. Environmental Research, 35:246-263, 1984.

LEBOWITZ, Michael D.  
1983

Health effects of indoor pollutants / by Michael D. Lebowitz, Annual Review of Public Health, 4:203-221, 1983.

LEVIN, Lester  
1983

A review of the health effects of energy conserving materials / by Lester Levin and P. Walter Purdom. American Journal of Public Health, 73(6):683-690, 1983.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

HEMMINKI, K.  
1982

Spontaneous abortions in hospital staff engaged in sterilising instruments with chemical agents / by K. Hemminki...[et al]. British Medical Journal, 285(20):1461-1463, November 1982.

MAIN, David M.  
1983

Health effects of low-level exposure to formaldehyde / by David M. Main and Theodore J. Hogan. Journal of Occupational Medicine, 25(12):896-899, December 1983.

MARSH, G.M.  
1982

Proportional mortality patterns among chemical plant workers exposed to formaldehyde / by G.M. Marsh. British Journal of Industrial Medicine, 39:313-322, 1982.

MATTIA, Michael A.  
1983

Hazards in the hospital environment: the sterilants: ethylene oxide and formaldehyde / by Michael A. Mattia. American Journal of Nursing, February 1983, pp. 240-243.

MORGAN, W. Keith C.  
1984

Health risks of urea formaldehyde foam insulation / by W. Keith C. Morgan. [letter]. Canadian Medical Association Journal, 130(12):1529, June 15, 1984.

NEWHOUSE, Michael T.  
1982

Taking the heat off insulation / by Michael T. Newhouse. MacLean's, 95(27):7, July 5, 1982.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

NIZAMI, Riaz M.  
1981

Formaldehyde: its hazards at work and in the home /  
by Riaz M. Nizami. Modern Medicine of Canada,  
36(8):1097-1102, August 1981.

NIZAMI, Riaz M.  
1981

Formaldéhyde: ses risques au travail et à la maison  
/ par Riaz M. Nizami. Médecine Moderne du Canada,  
36(8):1097-1102, Août 1981.

OLSEN, Jorgen H.  
1982

Formaldehyde induced symptoms in day care centers /  
by Jorgen H. Olsen and Martin Dossing. American  
Industrial Hygiene Association Journal, 43:366-370,  
May 1982.

MOST, Randi S.  
1981

Persistence of symptoms associated with  
urea-formaldehyde foam insulation / by Randi S. Most...  
[et al]. Journal of Environmental Health, 43(5):251-253,  
1981.

PITYN, P.J.  
1984

Urea formaldehyde and mass hysteria / by P.J. Pityn,  
D.B. Couch and T.M. Fraser. Proceedings of the 1984  
International Conference on Occupational Ergonomics, 1984,  
pp. 130-134.

PLUNKETT, E.F.  
1977

Are embalmers at risk? / by E.F. Plunkett and  
Teevee Barbela. American Industrial Hygiene Association  
Journal, 38:61-62, January 1977.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

PORTER, J.A.H.  
1975

Acute respiratory distress following formalin inhalation / by J.A.H. Porter. The Lancet, September 27, 1975, pp. 603-604.

RACETTE, Danielle  
1981

Le dossier de l'urée-formaldéhyde: les médecins entrent en jeu / par Danielle Racette. le Courrier médical, 1(25):1, 6-9, 1981.

ROY, Manuel  
1962

Corrosive gastritis after formaldehyde ingestion: report of a case / by Manuel Roy, Mario A. Calonje and Ramon Mouton. The New England Journal of Medicine, 266(24):1248-1250, 1962.

RUMACK, Barry H.  
1978

Position paper: urea-formaldehyde foam / by Barry H. Rumack. Denver, Colorado: Rocky Mountain Poison Centre, 1978. 20 p.

SANKARANARAYANAN, K.  
1982

IN: Progress in Mutation Research, Volume 3 / edited by K.C. Bora, G.R. Douglas and E.R. Nestman. Amsterdam: Elsevier Biomedical Press, 1982.

SARDINAS, Anthony V.  
1979

Health effects associated with urea-formaldehyde foam insulation in Connecticut / by Anthony V. Sardinas... [et al]. Journal of Environmental Health, 41(5):270-272, 1979.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

SCHENKER, M.B.  
1982

Health effects of residence in homes with urea formaldehyde foam insulation: a pilot study / by M.B. Schenker, S.T. Weiss and B.J. Murawski. Environment International, 8:359-363, 1982.

SCHOENBERG, Janet B.  
1975

Airway disease caused by phenolic (phenol-formaldehyde) resin exposure / by Janet B. Schoenberg and Charles A. Mitchell. Archives of Environmental Health, 30:574-577, 1975.

SHUMILINA, A.V.  
1975

Menstrual and childbearing functions of female workers having contact with formaldehyde under factory conditions / by A.V. Shumilina. Gigiena Truda i Professional'nye Zabolevaniya, 12:13-21, 1975. [In Russian with English summary].

SMALKY, Kathleen  
1984

Environmental hazard: gross anatomy / by Kathleen Smalky. [letter] New England Journal of Medicine, 310(8):531-532, 1984.

SPELLMAN, George G.  
1983

Formaldehyde poisoning successfully treated with hemodialysis / by George G. Spellman. Journal of Iowa Medical Society, May 1983, pp. 175-176.



**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

THUN, Michael J.  
1982

Symptom survey of residents of homes insulated with urea-formaldehyde foam / by Michael Thun, Michael F. Lakat and Ronald Altman. Environmental Research, 29:320-334, 1982.

U.S. NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)  
1983

Formaldehyde exposures in a gross anatomy laboratory: Colorado / by the U.S. National Institute for Occupational Safety and Health. Morbidity and Mortality Weekly Report, 31(52):698-700, January 7, 1983.

U.S. NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)  
1973

Working with formaldehyde / by the U.S. National Institute for Occupational Safety and Health. [brochure]. [Washington, D.C.]: NIOSH, 1973.

U.S. CONSUMER PRODUCT SAFETY COMMISSION  
1980

Evaluation of health risks of formaldehyde by government scientists / by the U.S. Consumer Product Safety Commission. U.S. Federal Register, 45(100):34031-34033, May 21, 1980.

WAGNER, B.M.  
1984

Formaldehyde: a psychopharmacologic agent? / by B.M. Wagner. [editorial]. Human Pathology, 15(2):101, February 1984.

WAYNE, Lowell  
1976

Irritant effects of industrial chemicals: formaldehyde / by Lowell G. Wayne, Robert J. Bryan and Kenneth Ziedman. Cincinnati, Ohio: NIOSH, 1976. 130 p.

**RISQUES POUR LA SANTÉ  
HEALTH EFFECTS**

WEBER, Annetta  
1984

Acute effects of environmental tobacco smoke / by  
Annetta Weber. European Journal of Respiratory Diseases  
(Suppl.), 133:98-108, 1984.

WIBERG, George Stuart  
1981

Health implications of urea-formaldehyde foam  
insulation / by George Stuart Wiberg and  
Eugene Baranowski. Canadian Journal of Public Health,  
72:335-338, September/ October 1981.

WOODBURY, Mary Ann  
1983

Formaldehyde in the home environment: prenatal and  
infant exposures / by Mary Ann Woodbury and Carl Zenz.  
IN: Formaldehyde toxicity / edited by James E. Gibson.  
Washington, D.C.: Hemisphere Publishing, 1983,  
pp. 203-211.

WOOLEY, H.  
1981

Urea-formaldehyde insulation in Saskatchewan  
residences / by H. Wooley. Regina, Saskatchewan:  
Occupational Health and Safety Branch, Saskatchewan  
Labour, 1981. 14 p.

**RISQUES POUR LA SANTÉ - ALLERGIES**  
**HEALTH EFFECTS - ALLERGIES**

**RISQUES POUR LA SANTÉ - ALLERGIES**  
**HEALTH EFFECTS - ALLERGIES**

ANONYMOUS  
1977

Formalin asthma. The Lancet, 1(8015):790, 1977.

BARDANA, Emil J.  
1983

Occupational asthma secondary to low molecular weight agents used in the plastic and resin industries / by E.J. Bardana and R.H. Andrach. European Journal of Respiratory Diseases, 64:241-251, 1983.

1980

Formaldehyde: hypersensitivity and irritant reactions at work and in the home / by Emil J. Bardana. Immunology and Allergy Practice, II(3):11-23, May/June 1980.

BOGGS, Peter B.  
1983

Occupational asthma and rhinitis caused by urea formaldehyde / by Peter B. Boggs. Chest, 83(3):584-585, March 1983.

BORK, K. von  
1979

Formaldehyd in haarshampoos / by K. von Bork, D. Heise and A. Rosinus. Dermatosen, 27(1):10-12, 1979. [In German with English summary].

BRUYNZEEL, D.P.  
1984

Formaldehyde contact sensitivity and the use of shampoos / by D.P. Bruynzeel, W.G. van Ketel and P. de Haan. Contact Dermatitis, 10(3):179-180, 1984.

**RISQUES POUR LA SANTÉ - ALLERGIES**  
**HEALTH EFFECTS - ALLERGIES**

ENGEL, H.O.  
1966

Resin dermatitis in a car factory / by H.O. Engel and C.D. Calnan. British Journal of Industrial Medicine, 23:62-65, 1966.

EPSTEIN, E.  
1966

Formaldehyde allergy: incidence and patch test problems / by E. Epstein and H.J. Maiback. Archives of Dermatology, 94:186-190, 1966.

FISHER, A.A.  
1962

Free formaldehyde in textiles and paper / by A.A. Fisher, N.B. Kanof and E.M. Biondi. Archives of Dermatology, 86:97-100, 1962.

FRIGAS, Evangelo  
1984

Bronchial challenge with formaldehyde gas: lack of bronchoconstriction in 13 patients suspected of having formaldehyde-induced asthma / by Evangelo Frigas, Warren V. Filley, Charles E. Reed. Mayo Clinic Proceedings, 59:295-299, May 1984.

1981

Asthma induced by dust from urea-formaldehyde foam insulating material / by Evangelo Frigas, Warren V. Filley and Charles E. Reed. Chest, 79(6):706-707, June 1981.

HENDRICK, David J.  
1982

Formaldehyde asthma: challenge exposure levels and fate after five years / by David J. Hendrick... [et al]. Journal of Occupational Medicine, 24(11):893-897, November 1982.

**RISQUES POUR LA SANTÉ - ALLERGIES**  
**HEALTH EFFECTS - ALLERGIES**

HENDRICK D.J.  
1977

Occupational formalin asthma / by D.J. Hendrick and D.J. Lane. British Journal of Industrial Medicine, 34:11-18, 1977.

1975

Formalin asthma in hospital staff / by D.J. Hendrick and D.J. Lane. British Medical Journal, March 15, 1985, pp. 607-608.

JORDAN, William P.  
1979

Threshold responses in formaldehyde-sensitive subjects / by William P. Jordan, William T. Sherman and Sarah E. King. Journal of the American Academy of Dermatology, 1(1):44-48, July 1979.

KALIMO, Kirsti  
1984

24 and 48 h allergen exposure in patch testing: comparative study with 11 common contact allergens and NiCl<sub>2</sub> / by Kirsti Kalimo and Kaija Lamintausta. Contact Dermatitis, 10:25-29, 1984.

KWONG, Frank  
1983

Acute symptoms secondary to formaldehyde exposure in a pathology resident / by Frank Kwong...[et al]. Annals of Allergy, 50:326-328, May 1983.

LAUNIS, J.  
1980

Toxic dermatitis in a Finnish textile factory / by J. Launis and A. Laine. Contact Dermatitis, 6(1):51, 1980.

**RISQUES POUR LA SANTÉ - ALLERGIES**  
**HEALTH EFFECTS - ALLERGIES**

LEONOV, V.A.  
1978

Early diagnosis of occupational allergic dermatoses caused by formaldehyde-containing polymers / by V.A. Leonov, B.A. Somov and V.A. Zhigulin. Vestnik Dermatolog and Venerolog, 54(12):6-11, 1978. [In Russian with English summary].

LINDSKOV, Rune  
1982

Contact urticaria to formaldehyde / by Rune Lindskov. Contact Dermatitis, 8(5):333-334, 1982.

MAIBACH, Howard  
1983

Formaldehyde: effects on animal and human skin / by Howard Maibach. IN: Formaldehyde toxicity / edited by James E. Gibson. Washington, D.C.: Hemisphere Publishing, 1983, pp. 166-174.

SCHORR, William F.  
1974

Formaldehyde allergy: the quantitative analysis of of American clothing for free formaldehyde and its relevance in clinical practice / by William F. Schorr...[et al]. Archives of Dermatology, 110:73-76, 1974.

SMALL, Bruce M.  
1982

Chemical susceptibility and urea-formaldehyde foam insulation / by Bruce M. Small. Longueuil, Quebec: Deco Books, 1982. 156 p.

**RISQUES POUR LA SANTÉ - ALLERGIES**  
**HEALTH EFFECTS - ALLERGIES**

SUGAI, Tetsuro  
1979

Age distribution of the incidence of contact sensitivity to standard allergens / by Tetsuro Sugai...[et al]. Contact Dermatitis, 5(6):383-388, 1979.

ZAMMIT-TABONA, Michael  
1983

Asthma caused by diphenylmethane diisocyanate in foundry workers: clinical, bronchial provocation and immunologic studies / by Michael Zammit-Tabona...[et al]. American Review of Respiratory Diseases, 128:226-230, 1983.

**RISQUES POUR LA SANTÉ - CANCER**  
**HEALTH EFFECTS - CANCER**

**RISQUES POUR LA SANTÉ - CANCER**  
**HEALTH EFFECTS - CANCER**

ANONYMOUS  
1983

Formaldehyde and cancer. The Lancet, July 2, 1983,  
p. 26.

ACHESON, E.D.  
1984

Formaldehyde process workers and lung cancer / by  
E.D. Acheson...[et al]. [letter] The Lancet,  
May 12, 1984, pp. 1066-1067.

COHN, Murray S.  
n.d.

Formaldehyde carcinogenic risk assessment: exposure  
in manufactured housing / by Murray S. Cohn. Washington,  
D.C.: U.S. Consumer Product Safety Commission, [n.d.].  
36 p.

HARDING, Douglas H.  
1982

Health effects of formaldehyde / by  
Douglas H. Harding. Occupational Health in Ontario,  
3(2):64-80, April 1982.

HALPERIN, William E.  
1983

Nasal cancer in a worker exposed to formaldehyde / by  
William E. Halperin...[et al]. Journal of the American  
Medical Association, 249(4):510-512, 1983.



**RISQUES POUR LA SANTÉ - CANCER**  
**HEALTH EFFECTS - CANCER**

LEVINE, Richard J.  
1984

A brief review of the mortality experience of humans exposed to formaldehyde / by Richard J. Levine. CIIT Activities, 4(7):1-4, July 1984.

1982

Mortality of Ontario undertakers / by Richard J. Levine. CIIT Activities, 2(12):3-5, December 1982.

LIEBLING, Tina  
1984

Cancer mortality among workers exposed to formaldehyde / by Tina Leibling...[et al]. American Journal of Industrial Medicine, 5:423-428, 1984.

SUCHECKI, Stanley M.  
1981

Formaldehyde: is it really a health hazard? / by Stanley M. Suchecki. Textile Industries, March 1981, pp. 56-58.

WALRATH, Judy  
1984

Cancer and other causes of death among embalmers / by Judy Walrath and Joseph F. Fraumeni. Cancer Research, 44:4638-4641, October 1984.

1983

Mortality patterns among embalmers / by Judy Walrath and Joseph F. Fraumeni. International Journal of Cancer, 31:407-411, 1983.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

ALTSHULLER, Aubrey P.  
1962

Source and atmospheric analyses for formaldehyde by chromotropic acid procedures / by A.P. Altshuller, L.J. Leng and A.F. Wartburg. International Journal of Air and Water Pollution, 6:381-385, 1962.

1961

Determination of formaldehyde in gas mixtures by the chromotropic acid method / by Aubrey P. Altshuller, David L. Miller and Stanley F. Sleva. Analytical Chemistry, 33(4):621-625, 1961.

AMES, Bruce N.  
1975

Methods for detecting carcinogens and mutagens with the salmonella/mammalian-microsome mutagenicity test / by Bruce N. Ames, Joyce McCann and Edith Yamasaki. Mutation Research, 31:347-364, 1975.

ANDERSSON, Kurt  
1981

Chemosorption sampling and analysis of formaldehyde in air: influence on recovery during the simultaneous sampling of formaldehyde, phenol, furfural and furfuryl alcohol / by Kurt Andersson...[et al]. Scandinavian Journal of Work, Environment and Health, 7:282-289, 1981.

AVIGAD, Gad  
1983

A simple spectrophotometric determination of formaldehyde and other aldehydes: application to periodate-oxidized glycol systems / by Gad Avigad. Analytical Biochemistry, 134(2):499-504, 1983.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

BELMAN, Sidney  
1963

The fluorimetric determination of formaldehyde / by  
Sidney Belman. Analytica Chimica Acta, 29:120-126, 1963.

BERGE, A.  
1980

Formaldehyde release from particleboard: evaluation  
of a mathematical model / by A. Berge...[et al]. Holz als  
Roh- und Werkstoff, 38:251-255, 1980.

BERGMANN, K.  
1982

Gas chromatographic method to determine formaldehyde  
traces in automobile exhaust gases / by K. Bergmann and  
W. Schneider. Chromatographia, 15(10):631-634,  
October 1982.

BISGAARD, P.  
1984

A method for personal sampling and analysis of  
nanogram amounts of formaldehyde in air / by  
P. Bisgaard...[et al]. American Industrial Hygiene  
Association Journal, 45(6):425-429, 1984.

BLACKMAN, Ted  
1982

Testing program helps solve emission woes / by  
Ted Blackman. Forest Industries, 109(4):43, 1982.

CHRISTENSEN, Ross L.  
1972

Test for measuring formaldehyde emission from  
formaldehyde resin bonded particleboards and plywood / by  
Ross L. Christensen. Forest Products Journal,  
22(4):17-20, April 1972.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

CONCORD SCIENTIFIC CORPORATION  
1982

Report summarizing Concord Scientific Corporation  
analysis of Dupont Pro Tek badges / prepared by Concord  
Scientific Corporation. Downsview, Ontario: Concord,  
[1982]. 6 p.

COOLEY, Robert L.  
1984

Formaldehyde emitted by chemical vapor sterilizers /  
by Robert L. Cooley, John Stilley, and Richard M. Lubow.  
Oral Surgery, 57(1):28-30, January 1984.

COTÉ, Marc  
1982

The fire over insulating foam / by Marc Côté.  
Maclean's, January 18, 1982, p. 26.

COX, Michael W.  
1980

A new method for determination of formaldehyde  
emanating from substrates and coatings / by Michael W. Cox  
and David E. Moberly. Journal of Coatings Technology,  
52(668):49-54, September 1980.

DUPONT  
1981

Pro-tek calorimetric air monitoring badge systems  
laboratory validation report: formaldehyde badge, series  
II type, C-60. Wilmington, Delaware: DuPont, 1981.  
19 p.

DUMAS, T.  
1982

Determination of formaldehyde in air by gas  
chromatography / by T. Dumas. Journal of Chromatography,  
247:289-295, 1982.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

EBDON, J.R.  
1984

Characterization of urea-formaldehyde and melamine-formaldehyde adducts and resins by  $^{15}\text{N}$  n.m.r. spectroscopy / by J.R. Ebdon...[et al]. Polymer, 25:821-825, June 1984.

FREEMAN, H.G.  
1971

Formaldehyde detection and control in the wood industry / by H.G. Freeman and W.C. Grendon. Forest Products Journal, 21(9):54-57, 1971.

FREGERT, S.  
1984

A simple method for the detection of formaldehyde / by S. Fregert, I. Dahlquist and B. Gruvberger. Contact Dermatitis, 10:132-134, 1984.

GEISLING, Kristin L.  
1982

Generation of dry formaldehyde at trace levels by the vapor-phase depolymerization of trioxane / by Kristin L. Geisling and Robert R. Miksch. Analytical Chemistry, 54:140-142, 1982.

1982

A passive sampling device for determining formaldehyde in indoor air / by K.L. Geisling...[et al]. Environment International, 8:153-158, 1982.

1981

Impregnated filters for the determination of formaldehyde in indoor environments / by Kristin L. Geisling. Berkeley, California: Lawrence Berkeley Laboratory, 1981. 60 p.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

GEISLING, Kristin L.  
1981

A new passive monitor for determining formaldehyde in indoor air / by K.L. Geisling...[et al]. Berkeley, California: Lawrence Berkeley Laboratory, 1981. 4 p.

1983

Temperature dependence of the modified pararosaniline method for the determination of formaldehyde in air / by E. Georgiou...[et al]. Analytical Chemistry, 55(3):567-570, March 1983.

GIBBONS, C.S.  
1981

Review of tests on urea-formaldehyde foam insulation conducted at ORF / by C.S. Gibbons. Mississauga, Ontario: Ontario Research Foundation, 1981. 43 p.

GODISH, Thad  
1984

A low-cost sampler for formaldehyde and other indoor air contaminants / by Thad Godish. Journal of Environmental Health, 46(5):229-232, 1984.

1983

Comparison studies of 24-hour diffusional sampler measurements and peak formaldehyde levels in urea-formaldehyde foam insulated houses / by Thad Godish and Eleanor Kolditz. Proceedings of the Annual Meeting of the Air Pollution Control Association, 76(4):83-64.8, 1983.

1983

Interpretation of one-time formaldehyde sampling results from measurements of environmental variables / by Thad Godish. Proceedings of the International Specialty Conference On: Measurement & Monitoring of Non-Criteria (Toxic) Contaminants in Air, March 22-24, 1983, 1983, pp. 463-70.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

GOTTSCHLING, Lynn M.  
1984

Monitoring of formic acid in urine of humans exposed to low levels of formaldehyde / by Lynn M. Gottschling, Harry J. Beaulieu, and Walter W. Melvin. American Industrial Hygiene Association Journal, 45(1):19-23, 1984.

GROSJEAN, Daniel  
1981

Interlaboratory comparison study of methods for measuring formaldehyde and other aldehydes in ambient air: final report / prepared by Daniel Grosjean and Gregory L. Kok. Westlake Village, California: Environmental Research and Technology, Inc., 1981. 138 p.

1980

Measurements of aldehydes in the air environment / by Daniel Grosjean, Kochy Fung, and Roger Atkinson. Paper presented at the 73rd Annual Meeting of the Air Pollution Control Association, Montreal, Quebec, June 22-27, 1980. 1980. 14 p.

GUENIER, J.P.  
1984

Air-sampling of aldehydes: application to chromatographic determination of formaldehyde and acetaldehyde / by J.P. Guenier...[et al]. Chromatographia, 18(3):137-144, March 1984.

GUILBAULT, George G.  
1983

Determination of formaldehyde with an enzyme-coated piezoelectric crystal detector / by George G. Guilbault. Analytical Chemistry, 55(11):1682-1684, 1983.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

HARKIN, John M.  
1974

Visual method for measuring formaldehyde release from resin-bonded boards / by John M. Harkin, John R. Obst, and William F. Lehmann. Forest Products Journal, 24(1):27-30, 1974.

HAWTHORNE, A.R.  
n.d.

An inexpensive passive formaldehyde monitor for indoor air quality measurements / by A.R. Hawthorne and T.G. Matthews. Oak Ridge, Tennessee: Oak Ridge National Laboratory, [n.d.].

1982

An evaluation of formaldehyde emission from test panels of urea-formaldehyde foam insulation / by A.R. Hawthorne and R.B. Gammage. Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1982. 20 p.

HENRY, Norman W.  
1981

Respirator cartridge and canister efficiency studies with formaldehyde / by Norman W. Henry. American Industrial Hygiene Association Journal, 42(12):853-857, 1981.

HERNANDEZ, Lucas  
1984

Determination of free formaldehyde in melamine-formaldehyde resins by cyclic voltammetry with a gold rotating disc electrode / by Lucas Hernandez, Jesus R. Procopio and Jose-Maria Pinilla. Analyst, 109(6):765-767, 1984.



**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

HILL, Charles G.  
1984

Raman spectroscopy of urea-formaldehyde resins and model compounds / by Charles G. Hill...[et al]. Journal of Applied Polymer Science, 29(9):2749-2762, 1984.

HODGESON, A.T.  
1982

Validation of a passive sampler for determining formaldehyde in residential indoor air / by A.T. Hodgeson...[et al]. Berkeley, California: Lawrence Berkeley Laboratory, 1982. 28 p.

HUGHES, T.J.  
1984

Validation of chemical and biological techniques for evaluation of vapors in ambient air/mutagenicity testing of twelve (12) vaporphase compounds / by T.J. Hughes, C. Sparcino and S. Frazier. Research Triangle Park, N.C.: Research Triangle Institute, March 1984. 204 p.

HULL, R. DeLon  
1984

Testing protocols with evaluation criteria and performance specifications for passive samplers / by R. DeLon Hull and M.E. Cassinelli. [draft]. Cincinnati, Ohio: NIOSH, 1984. 38p.

IMPROTA, Carlo  
1984

Determination of formaldehyde and acetaldehyde (as cyanohydrins) in water by gas chromatography / by Carlo Improta...[et al]. Journal of Chromatography, 285:385-388, 1984.

INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS

KATZ, Morris  
1977

Methods of air sampling and analysis / edited by  
Morris Katz. 2nd ed. Washington, D.C.: American Public  
Health Association, 1977. 984 p.

KENNEDY, Eugene R.  
1982

Determination of formaldehyde in air as an  
oxazolidine derivative by capillary gas chromatography /  
by Eugene R. Kennedy and Robert H. Hill, Jr. Analytical  
Chemistry, 54(11):1739-1742, September 1982.

KIM, Walter S.  
1980

Solid sorbent tube sampling and ion chromatographic  
analysis of formaldehyde / by Walter S. Kim,  
Charles L. Geraci and Richard E. Kupel. American  
Industrial Hygiene Association Journal, 41:334-339, May 1980.

KNOX, Scott E.  
1984

Phenol interference in the mercury-free  
pararosaniline method and the chromotropic acid method for  
formaldehyde / by Scott E. Knox and Shane S. Que Hee.  
American Industrial Hygiene Association Journal,  
45(5):325-328, 1984.

KRING, Elbert V.  
1984

Sampling for formaldehyde in workplace and ambient  
air environments: additional laboratory validation and  
field verification of a passive air monitoring device  
compared with conventional sampling methods / by  
Elbert V. Kring...[et al]. American Industrial Hygiene  
Association Journal, 45(5):318-324, 1984.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

KRING, Elbert V.  
1982

A new passive colorimetric monitoring badge for sampling formaldehyde in air / by Elbert V. Kring...[et al]. American Industrial Hygiene Association Journal, 43(10):786-795, 1982.

LEE, C.W.  
1982

Determination of formaldehyde vapour in the atmospheres of clinical laboratories using chromotropic acid / by C.W. Lee, Y.S. Fung and K.W. Fung. Analyst, 107:30-34, 1982.

LEHMANN, W.F.  
1982

Correlations between various formaldehyde tests / by W.F. Lehmann. Proceedings of the Washington State University International Symposium on Particleboard, 16:35-44, 1982.

LEVAGGI, Dario A.  
1970

The determination of formaldehyde, acrolein, and low molecular weight aldehydes in industrial emissions on a single collection sample / by Dario A. Levaggi and Milton Feldstein. Journal of the Air Pollution Control Association, 20(5):312-313, May 1970.

LYLES, George R.  
1965

Quantitative determination of formaldehyde in the parts per hundred millions concentration level / by George R. Lyles, Fred B. Dowlin and V.J. Blanchard. Journal of the Air Pollution Control Association, 15(3):106-108, March 1965.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

MCVEY, Douglas T.  
1982

Great strides forward: formaldehyde emission from  
the production standpoint / by Douglas T. McVey.  
Proceedings of the Washington State University  
International Symposium on Particleboard, 16:21-33, 1982.

MATTHEWS, T.G.  
n.d.

Evaluation of a modified CEA Instruments, Inc. Model  
555 analyzer for the monitoring of formaldehyde vapor in  
domestic atmospheres / by T.G. Matthews. Oak Ridge,  
Tennessee: Oak Ridge National Laboratory, [n.d.]. 14 p.

n.d.

Formaldehyde monitoring in domestic environments / by  
T.G. Matthews and T.C. Howell. Oak Ridge, Tennessee: Oak  
Ridge National Laboratory, [n.d.]. 4 p.

1982

Evaluation of selected monitoring methods for  
formaldehyde in domestic environments / by  
T.G. Matthews...[et al]. Environment International,  
8:143-151, 1982.

1982

Formaldehyde surface-emission monitor / by  
T.G. Matthews...[et al]. Oak Ridge, Tennessee: Oak Ridge  
National Laboratory, 1982. 23 p.

MATTHEWS, T.G.  
1982

Solid sorbent for formaldehyde monitoring / by  
T.G. Matthews and T.C. Howell. Analytical Chemistry,  
54:1495-1498, 1982.

INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS

MATTHEWS, T.G.  
1981

Visual colorimetric formaldehyde screening analysis for indoor air / by T.G. Matthews and T.C. Howell. *Journal of the Air Pollution Control Association*, 31(11):1181-1184, 1981.

1980

The formaldehyde monitoring program: development of sampling and analysis procedures / by T.G. Matthews...[et al]. Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1980. 43 p.

1979

Solid sorbent for formaldehyde monitoring: application of a liquid-rinse desorption and colorimetric analysis methodology / by T.G. Matthews and T.C. Howell. Oak Ridge, Tennessee: Oak Ridge National Laboratory, [1979?]. 19 p.

MEADOWS, Geoffrey  
1983

Measuring and monitoring of formaldehyde in inhalation test atmospheres / by Geoffrey Meadows and George M. Rush. *American Industrial Hygiene Association Journal*, 44(2):71-77, 1983.

MENZIES, K.T.  
1982

Comparison of aldehyde methods / by K.T. Menzies, K.J. Beltis and R.E. Fasano. Cambridge, Massachusetts: Arthur D. Little, Inc., 1982. 54 p.

MIKSCH, Robert R.  
1981

A modified pararosaniline method for the determination of formaldehyde in air / by Robert R. Miksch...[et al]. Berkeley, California: Lawrence Berkeley Laboratory, 1981. 31 p.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

MIKSCH, R.R.  
1981

A recommendation for combining the standard analytical methods for determinations of formaldehyde and total aldehydes in air / by R.R. Miksch and D.W. Anthon. Berkeley, California: Lawrence Berkeley Laboratory, 1981, 13 p.

1980

Formaldehyde in air: A revised NIOSH procedure / by Robert R. Miksch. Berkeley, California: Lawrence Berkeley Laboratory, 1980. 16 p.

MOLHAVE, Lars  
1983

A mathematical model of indoor air pollution due to formaldehyde from urea-formaldehyde glued particleboards / by Lars Molhave, Paul Bisgaard and Sten Dueholm. Atmospheric Environment, 17(10):2105-2108, 1983.

MOLHAVE, L.  
1982

The model room method for measurement of formaldehyde emission from particle boards / by L. Molhave. Holzforschung und Holzverwertung, 34(2):24-27, 1982.

MULLER, Roland E.  
1983

Generation of formaldehyde in test atmospheres with low concentrations of hydrogen and carbon monoxide / by Roland E. Muller and Ulrich Schurath. Analytical Chemistry, 55(8):1440-1442, July 1983.

INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS

MYERS, George E.  
1983

Formaldehyde emission from particleboard and plywood paneling: measurement, mechanism and product standards / by George E. Myers. Forest Products Journal, 33(5):27-37, May 1983.

1981

Emission of formaldehyde by particleboard: effect of ventilation rate and loading on air-contamination levels / by George E. Myers and Muneo Nagaoka. Forest Products Journal, 31(7):39-44, 1981.

1981

Formaldehyde emission: methods of measurement and effects of several particleboard variables / by George E. Myers, and Muneo Nagaoka. Wood Science, 13(3):140-150, January 1981.

NAGDA, Niren L.  
1984

Guidelines for monitoring indoor air quality / by Niren L. Nagda, Harry E. Rector, and Lance A. Wallace. Washington, D.C.: U.S. Environmental Protection Agency, 1984. 8 p.

NEITZERT, Volker  
1981

Measurement of formaldehyde in clean air / by Volker Neitzert and Wolfgang Seiler. Geophysical Research Letters, 8(1):79-82, 1981.

NEWTON, Larry R.  
1982

Formaldehyde emission from wood products: correlating environmental chamber levels to "secondary" laboratory tests / by Larry R. Newton. Proceedings of the Washington State University International Symposium on Particle Board, 16:45-61, 1982.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

PAPA, L.J.  
1972

Chromatographic determination of carbonyl compounds as their 2,4-dinitrophenylhydrazones: I. Gas chromatography / by L.J. Papa and L.P. Turner. Journal of Chromatographic Science, 10:744-747, 1972.

1972

Chromatographic determination of carbonyl compounds as their 2,4-dinitrophenylhydrazones: II. High pressure liquid chromatography. Journal of Chromatographic Science, 10:747-750, 1972.

PLESNER, B.H.  
1983

Formaldehyde and hexamethylenetetramine in Styles' cell transformation assay / by B.H. Plesner and K. Hansen. Carcinogenesis, 4(4):457-459, 1983.

RENZETTI, N.A.  
1961

Atmospheric sampling for aldehydes and eye irritation in Los Angeles smog: 1960 / by N.A. Renzetti and R.J. Bryan. Journal of the Air Pollution Control Association, 11(9):421-424, September 1961.

RIGGIN, R.M.  
1984

Compendium of methods for the determination of toxic organic compounds in ambient air / by R.M. Riggin. Research Triangle Park, North Carolina: U.S. Environmental Protection Agency, 1984. 138 p.

ROSE, Vernon E.  
1982

Passive dosimetry: state of the art review / by Vernon E. Rose and Jimmy L. Perkins. American Industrial Hygiene Association Journal, 43(8):605-621, 1982.



INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS

SCHINDLBAUER, H.  
1983

Nuclear magnetic resonance spectrometric analysis of urea-formaldehyde condensation products / by H. Schindlbauer and J. Schuster. Kunststoffe, 73(6):21-23, 1983.

SEPTON, Jerry C.  
1982

Workplace air sampling and polarographic determination of formaldehyde / by Jerry C. Septon and James C. Ku. American Industrial Hygiene Association Journal, 43(11):845-852, 1982.

SHIBA, Mitsutoshi  
1984

The effects of formaldehyde gas in a flow-through rat tracheal implant system / by Mitsutoshi Shiba, Ann C. Marchok and Andres J.P. Klein-Szanto. Toxicology, 30(4):317-325, April 16, 1984.

SMITH, David L.  
1983

Instability of formaldehyde air samples collected on a solid sorbent / by David L. Smith, Michele Bolyard and Eugene R. Kennedy. American Industrial Hygiene Association Journal, 44(2):97-99, 1983.

SMITH, R.G.  
1972

Tentative method of analysis for low molecular weight aliphatic aldehydes in the atmosphere / by R.G. Smith...[et al]. Health Laboratory Science, 9(1):75-78, January 1972.

**INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS**

SMITH, R.G.  
1970

Tentative method of analysis for formaldehyde content of the atmosphere (colorimetric method) / by R.G. Smith...[et al]. Health Laboratory Science, 7:87-91, 1970.

SUNDIN, Birger  
1980

Formaldehyde testing methods and standards: experiences from Sweden / by Birger Sundin. Paper presented at the Technical Workshop on Formaldehyde, Washington, D.C., April 9-11, 1980, 1980. 14 p.

TANNER, Roger L.  
1984

Seasonal variations in ambient atmospheric levels of formaldehyde and acetaldehyde / by Roger L. Tanner and Zhaokun Meng. Environmental Science and Technology, 18(9):723-726, 1984.

TIMM, William  
1980

Test for formaldehyde off-gassing rates from insulation and other building materials / by William Timm and Patti M. Smith. Journal of Thermal Insulation, 4:137-153, 1980.

TOXATECH ENVIRONMENTAL ANALYSIS  
n.d.

Concerning the analysis of formaldehyde in sodium bisulfite solution by the NIOSH-NRC chromatropic acid procedure / by Toxatech Environmental Analysis. London, Ontario: Toxatech, [n.d.]. 7 p.

INSTRUMENTS ET MÉTHODES DE TESTS  
INSTRUMENTATION AND TESTING METHODS

WALTERS, Robert B.  
1983

Automated determination of formaldehyde in air without the use of tetrachloromercurate (II) / by Robert B. Walters. American Industrial Hygiene Association Journal, 44(9):659-661, 1983.

WEIL, R.  
1980

Corrosion testing of urea-formaldehyde foam insulating material / by R. Weil, A. Graviano and K. Sheppard. Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1980. 30 p.

YOKOUCHI, Yoko  
1979

Gas chromatographic-mass spectrometric analysis of formaldehyde in ambient air using a sampling tube / by Yoko Yokouchi...[et al]. Journal of Chromatography, 180:133-138, 1979.

**LOIS ET RÈGLEMENTS  
LEGISLATION AND REGULATIONS**

**LOIS ET RÈGLEMENTS  
LEGISLATION AND REGULATIONS**

ANONYMOUS  
1984

EPA concerned about formaldehyde in building materials. Energy Design Update, 3(11):2, November 1984.

ANONYMOUS  
1983

H.R. 6389 and H.R. 6391: Urea formaldehyde foam insulation: hearing before the Subcommittee on Energy, Environment, and Safety Issues Affecting Small Business of the Committee on Small Business, House of Representatives, 97th Congress, 2nd Session, August 4, 1982. Washington, D.C.: U.S. Government Printing Office, 1983. 149 p.

ANONYMOUS  
1983

Guidelines on handling of formaldehyde. RCN Nursing Standard, July 28, 1983, p. 6.

ANONYMOUS  
1982

Federal response to health risks of formaldehyde in home insulation, mobile homes, and other consumer products. hearings before a subcommittee of the Committee on Government Operations, House of Representatives, 97th Congress, 2nd Session, May 18 and 19, 1982. Washington, D.C.: U.S. Government Printing Office, 1982. 530 p.

ARCHIBALD, Erika  
1982

Formaldehyde's future in adhesives / by Erika Archibald. Adhesives Age, July 1982, pp. 27-30.

**LOIS ET RÈGLEMENTS  
LEGISLATION AND REGULATIONS**

COHEN, David S.  
1982

Urea-formaldehyde litigation: materials prepared for a Continuing Legal Education seminar, Vancouver, B.C., June 5, 1982 / prepared by David S. Cohen. Vancouver, British Columbia: The Continuing Legal Education Society of British Columbia, 1982. [loose-leaf].

DUNLAP, L.  
1984

Urea formaldehyde foam insulation: the current situation in Canada / by L. Dunlap. Chatswood, New South Wales, Australia: Department of Housing and Construction, Experimental Building Station, June 1984. 14 p. (EBS Technical record; 507).

GOODSON, L. Aubrey  
1984

Formaldehyde and the textile industry / by L. Aubrey Goodson. Textile Chemist and Colorist, 16(1):15-18, 1984.

HILEMAN, Bette  
1982

Formaldehyde: how did EPA develop its formaldehyde policy? / by Bette Hileman. Environmental Science and Technology, 16(10):543A-547A, 1982.

LAUZON, Michael  
1982

Formaldehyde issue / edited by Michael Lauzon. Toronto, Ontario: Corpus Information Services, 1982. [loose-leaf].

1981

Pollution control: more at issue than foam ban / by Michael Lauzon. Canadian Chemical Processing, October 30, 1981, pp. 34-39.

**LOIS ET RÈGLEMENTS  
LEGISLATION AND REGULATIONS**

MACLELLAN, Clare  
1983

UFFI (Urea formaldehyde foam insulation) / by  
Clare MacLellan. Ottawa, Ontario: Law Reform Commission of  
Canada, 1983. 225 p.

PERERA, Frederica  
1982

Formaldehyde: a question of cancer policy? / by  
Frederica Perera and Catherine Petito. Science,  
216(4552):1285-1291, June 1982.

TATARYN, Lloyd  
1983

Formaldehyde on trial: the politics of health in a  
chemical society / by Lloyd Tataryn. Toronto, Ontario:  
James Lorimer and Company, 1983. 178 p.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

ANONYMOUS  
1982

The relationship between selected fabric residues and formaldehyde release. Textile Chemist and Colorist, 14(12):249-256, December 1982.

ALLAN, G. Graham  
1980

Long-term stability of urea-formaldehyde foam insulation / by G. Graham Allan, Jacek Dutkiewicz and Earl J. Gilmartin. Environmental Science and Technology, 14(10):1235-1240, 1980.

ASHBY, J.  
1982

Formaldehyde generators: relationship between stability, lipophilicity and carcinogenic potency / by J. Ashby and P.A. Lefevre. Carcinogenesis, 3(11):1273-1276, 1982.

BARREAU DU QUÉBEC  
1982

La mousse isolante d'urée-formaldéhyde / par le Barreau du Québec. Montréal, Québec: les éditions Yvon Blais, 1982. 87 p.

BRANDER, Susann M.  
1984

Reactive foams for air purification / by Susann M. Brander...[et al]. Environmental Science and Technology, 18(4):224-230, 1984.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

CLAD, W.  
1983

Developments and problems in adhesives used for particle board manufacture / by W. Clad. International Journal of Adhesion and Adhesives, 3(2):127-131, July 1983.

COMMISSION D'EXAMEN DE LA SÉCURITÉ DES PRODUITS CONCERNANT LA MOUSSE ISOLANTE D'URÉE-FORMOL  
1982

Rapport de la Commission d'Examen de la sécurité des produits concernant la mousse isolante d'urée-formol / par la Commission d'Examen de la sécurité des produits concernant la mousse d'urée-formol. Ottawa, [Ontario]: la Commission, 1982. 133 p.

CONSUMER FEDERATION OF AMERICA  
1984

Formaldehyde: everything you wanted to know but were afraid to ask / prepared by the Consumer Federation of America. [pamphlet]. Washington, D.C.: the Federation. [1984].

CURREN, Thomas  
1982

Mousse isolante d'urée-formol / par Thomas Curren. Ottawa, Ontario: Library of Parliament, 1982. 25 p.

1982

Urea formaldehyde foam insulation / by Thomas Curren. Ottawa, Ontario: Library of Parliament, 1982. 23 p.

DAHL, Alan R.  
1983

Formaldehyde production promoted by rat nasal cytochrome P-450-dependent monooxygenases with nasal decongestants, essences, solvents, air pollutants, nicotine, and cocaine as substrates / by Alan R. Dahl and William M. Hadley. Toxicology and Applied Pharmacology, 67:200-205, 1983.



**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

DIJKEN, J.P. Van  
1975

Oxidation of methanol, formaldehyde and formate by catalase purified from methanol-grown *Hansenula polymorpha* / by J.P. Van Dijken, R. Otto, and W. Harder. Archives of Microbiology, 106:221-226, 1975.

DINWOODIE, J.M.  
1977

Causes of deterioration of UF chipboard under cyclic humidity conditions: I. Performance of UF adhesive films / by J.M. Dinwoodie. Holzforschung, 31(2):50-55, April 1977.

DUNLAP, L.  
1981

Use of urea formaldehyde foam for insulation / by L. Dunlap. Chatswood, New South Wales, Australia: Experimental Building Station, Department of Housing and Construction, 1981. 47 p. (EBS Technical record; 472).

DUTKIEWICZ, Jacek  
1983

Hydrolytic degradation of cured urea-formaldehyde resin / by Jacek Dutkiewicz. Journal of Applied Polymer Science, 28:3313-3320, 1983.

FAROOQUI, Mohammed Y.H.  
1983

Formaldehyde (toxicology updates) / by Mohammed Y.H. Farooqui. Journal of Applied Toxicology, 3(5):264-265, 1983.

FIRSTMAN, Sidney L.  
1978

Application experience and effectiveness of urea-formaldehyde foam insulation / by Sidney L. Firstman. New York, New York: Science Applications Inc., 1978. 26 p.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

FRANKEL, Lawrence S.  
1974

Formation of bis (chloromethyl) ether from formaldehyde and hydrogen chloride / by Lawrence S. Frankel, Keith S. McCallum and Ledelle Collier. Environmental Science and Technology, 8(4):356-359, 1974.

FREEMAN, H.G.  
1968

Estimating durability of wood adhesives in vitro / by H.G. Freeman and R.E. Kreibich. Forest Products Journal, 18(7):39-43, 1968.

HAZARDOUS PRODUCT BOARD OF REVIEW ON UREA FORMALDEHYDE FOAM INSULATION  
1982

Report of the Hazardous Product Board of Review on Urea Formaldehyde Foam Insulation / by the Hazardous Product Board of Review on Urea Formaldehyde Foam Insulation. Ottawa, [Ontario]: The Board of Review, 1982. 127 p.

KALLOS, G.J.  
1973

Investigations of the formation of bischloromethyl ether in simulated hydrogen chloride-formaldehyde atmospheric environments / by G.J. Kallos and R.A. Solomon. American Industrial Hygiene Association Journal, 34:469-473, 1973.

MARI, Erlinda L.  
1983

Effect of formaldehyde to urea mole ratio on the properties of UF resins and particleboard / by Erlinda L. Mari. FPRDI Journal, 12(3-4):20-34, 1983.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

MEYER, Beat  
1979

Urea-formaldehyde resins / by Beat Meyer. Reading, Massachusetts: Addison-Wesley Publishing, Co., 1979. 423 p.

MOORE, C. Bradley  
1983

Formaldehyde photochemistry / by C. Bradley Moore and James C. Weisshaar. Annual Review of Physical Chemistry, 34:525-555, 1983.

MYERS, George E.  
1982

Hydrolytic stability of cured urea-formaldehyde resins / by George E. Myers. Wood Science, 15(2):127-138, October 1982.

NEWELL, Gordon W.  
1983

Overview of formaldehyde / by Gordon W. Newell. IN: Formaldehyde toxicity / edited by James E. Gibson. Washington, D.C.: Hemisphere Publishing, 1983, pp. 3-12.

NIEUWENHUIS, K.J.  
1982

Binding of free formaldehyde / by K.J. Nieuwenhuis. Textile Research Journal, 52(6):416, 1982.

NORTH, Bernard F.  
1983

Recent advances in low and ultra-low formaldehyde resins / by Bernard F. North. Proceedings of the National Technical Conference of the American Association of Textile Chemists and Colorists, 1983, pp. 116-119.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

OSBORN, S.W.  
1981

Urea formaldehyde foam insulation study / by  
S.W. Osborn...[et al]. Philadelphia, Pennsylvania:  
Franklin Institute Research Laboratory, 1981. 98 p.

RAKNES, Eirik  
1983

Durability of structural wood adhesives after 15  
years aging / by Eirik Raknes. Industrial and Engineering  
Chemistry Product Research and Development, 22:662-664,  
1983.

REDDY, G. Venkataramana  
1982

Particle boards from phenol, pyrogallol and  
formaldehyde copolymer resins / by G. Venkataramana Reddy,  
S. Rajadurai and K.T. Joseph. Leather Science,  
29(6):209-211, 1982.

REINHARDT, Robert M.  
1984

Scavengers and pH control in aftertreatments for  
reducing formaldehyde release from durable press cottons /  
by Robert M. Reinhardt and Donald J. Daigle. Textile  
Research Journal, 54(2):98-104, February 1984.

1983

Relationship between residual catalyst in finished  
cotton and formaldehyde release / by Robert M. Reinhardt.  
Textile Research Journal, 53(8):493-496, August 1983.

1983

Relationship between washing after finishing and  
formaldehyde release properties of durable press cottons /  
by Robert M. Reinhardt and B.A. Kottes Andrews.  
Proceedings of the National Technical Conference of the  
American Association of Textile Chemists and Colorists,  
1983, pp. 89-96.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

ROBERTS, Eugene C.  
1984

Formaldehyde release from cotton fabric / by  
Eugene C. Roberts and Anthony J. Rossano. Textile Chemist  
and Colorist, 16(3):67-72, March 1984.

ROSSITER, Walter J.  
1977

Urea-formaldehyde based foam insulations: an  
assessment of their properties and performance / by  
Walter J. Rositer...[et al]. Washington, D.C.: U.S.  
Department of Commerce, 1977. 83 p.

SUCHECKI, Stanley M.  
1980

Interim report: National Technical Conference of the  
American Association of Textile Chemists and Colorists:  
focus on formaldehyde / by S.M. Suchecki. Textile  
Industries, December 1980, pp. 64, 66.

U.S. CONSUMER FEDERATION OF AMERICA  
1984

Formaldehyde: everything you wanted to know but were  
afraid to ask / prepared by the Consumer Federation of  
America. [pamphlet]. Washington, D.C.: CFA, [1984].

U.S. NATIONAL RESEARCH COUNCIL  
1981

Formaldehyde and other aldehydes / by the U.S.  
National Research Council, Committee on Aldehydes.  
Washington, D.C.: National Academy Press, 1981. 340 p.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES  
PHYSICAL/CHEMICAL PROPERTIES**

WALKER, J.F.  
1964

Formaldehyde / by J.F. Walker. 3rd edition. Malabar,  
Florida: Robert E. Krieger Publishing Company, 1964.  
701 p.

WASTI, Khizar  
1978

A literature review: problem definition studies on  
selected toxic chemicals / by Khizar Wasti, Paul N. Graig  
and Jon E. Villaume. Philadelphia, Pennsylvania: Science  
Information Services, Franklin Institute Research  
Laboratories, 1978. 80 p.

WEIDT, John L.  
1980

Field investigation of the performance of residential  
retrofit insulation / by John L. Weidt, Robert J. Saxler  
and Walter Rossiter. Washington, D.C.: U.S. National  
Bureau of Standards, 1980. 59 p.

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES - ÉMISSION**  
**PHYSICAL/CHEMICAL PROPERTIES - EMISSION**

**PROPRIÉTÉS PHYSIQUES/CHIMIQUES - ÉMISSION**  
**PHYSICAL/CHEMICAL PROPERTIES - EMISSION**

ANDREWS, B.A. Kottes  
1984

Formaldehyde release from durable press cotton fabric / by B.A. Kottes Andrews and Robert M. Reinhardt. Textile Chemist and Colorist, 16(5):100-105, May 1984.

COOK, Fred L.  
1984

What's in the cards for formaldehyde research? / by Fred L. Cook. Textile World, January 1984, pp. 61-62.

COOKE, Theodore F.  
1983

Formaldehyde release from durable press fabrics / by Theodore F. Cooke. Proceedings of the National Technical Conference of the American Association of Textile Chemists and Colorists, 1983, pp. 7-12.

1983

Formaldehyde release from durable press fabrics / by Theodore F. Cooke. Textile Chemist and Colorist, 15(12):233-238, 1983.

DUTKIEWICZ, Jack  
1984

Preparation of cured urea-formaldehyde resins of low formaldehyde emission / by Jack Dutkiewicz. Journal of Applied Polymer Science, 29:45-55, 1984.

GCA CORPORATION  
1984

Locating and estimating air emissions from sources of formaldehyde / by the GCA Corporation. Research Triangle Park, North Carolina: Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, 1984. 109 p.

**PROPRIÉTÉS PHYSIQUES CHIMIQUES - ÉMISSION**  
**PHYSICAL/CHEMICAL PROPERTIES - EMISSION**

HARPER, Robert J.  
1983

Chemical aspects of formaldehyde release / by  
Robert J. Harper. Proceedings of the National Technical  
Conference of the American Association of Textile Chemists  
and Colorists, 1983, pp. 120-125.

LONG, K.R.  
1979

Problems associated with the use of urea-formaldehyde  
foam for residential insulation: part I: the effects of  
temperature and humidity on formaldehyde release from  
urea-formaldehyde foam insulation / by K.R. Long...[et al].  
Oak Ridge, Tennessee: Oak Ridge National Laboratory,  
1979. 85 p.

MEHTA, R.D.  
1982

Formaldehyde release from fabrics treated with  
N-methylolacrylamide and N-methylolmethacrylamide / by  
R.D. Mehta. Textile Chemist and Colorist,  
14(10):206-209, 1982

MYERS, George E.  
1984

How mole ratio of UF resin affects formaldehyde  
emission and other properties: a literature critique / by  
George E. Myers. Forest Products Journal, 34(5):35-41,  
1984.

PICKRELL John A.  
1984

Formaldehyde release from selected consumer products:  
influence of chamber loading, multiple products, relative  
humidity, and temperature / by John A. Pickrell...[et al].  
Environmental Science and Technology, 18(9):682-686,  
1984.



**PROPRIÉTÉS PHYSIQUES/CHIMIQUES - ÉMISSION**  
**PHYSICAL/CHEMICAL PROPERTIES - EMISSION**

PICKRELL, John A.  
1982

Release of formaldehyde from various consumer products  
/ by J.A. Pickrell, L.C. Griffis, C.H. Hobbs. Albuquerque,  
New Mexico: Lovelace Biomedical and Environmental Research  
Institute, 1982, 57 p.

ROBERTS, Eugene C.  
1983

Characteristics of formaldehyde release from cotton  
fabric in dynamic chambers / by Eugene C. Roberts and  
Anthony J. Rossano. Proceedings of the National Technical  
Conference of the American Association of Textile Chemists  
and Colorists, 1983, pp. 97-106.

SCHUTTE, W.C.  
1981

Problems associated with the use of urea-formaldehyde  
foam for residential insulation: part II: the effects of  
temperature and humidity on free formaldehyde, extractable  
formaldehyde, formaldehyde emission, and physical  
characteristics of the foam / by W.C. Schutte...[et al].  
Oak Ridge, Tennessee: Oak Ridge National Laboratory, 1981.  
75 p.

TINKELENBERG, A.  
1982

Combinations of low formaldehyde-aminoplast glues and  
PMDI / by A. Tinkelenberg, H.W. Vaessen and K.W. Suen.  
Journal of Adhesion, 14:219-231, 1982.

1982

Measurement of formaldehyde emission from paint films  
/ by A. Tinkelenberg and D. Versloot. Farbe und Lack,  
88(9):761, 1982.  
[In German].

**NORMES  
STANDARDS**

**NORMES  
STANDARDS**

TATARYN, Lloyd  
1984

La MIUF: l'approbation d'un produit inacceptable /  
par Lloyd Tataryn. Consommateur Canadien, 14(6):29-43,  
juin 1984.

1984

UFFI: the acceptance of the unacceptable product /  
by Lloyd Tataryn. Canadian Consumer, 14(6):29-41,  
June 1984.

UNIVERSITY OF MICHIGAN  
1976

Criteria for a recommended standard: occupational  
exposure to formaldehyde / Department of Environmental and  
Industrial Health, School of Public Health, University of  
Michigan. Cincinnati, Ohio: NIOSH, 1976. 165 p.

**TOXICOLOGIE  
TOXICOLOGY**

**TOXICOLOGIE  
TOXICOLOGY**

ANONYMOUS  
1984

Acute formaldehyde toxicity studies. CIIT  
Activities, 4(1):4, January 1984.

ANONYMOUS  
1984

Final report on the safety assessment of formaldehyde. Journal of the American College of Toxicology, 3(3):157-184, 1984.

ANONYMOUS  
1982

Summary of final report on formaldehyde study. CIIT  
Activities, 2(3):1, 9-10, March 1982.

ANONYMOUS  
1980

Formaldehyde: evidence of carcinogenicity. Veterinary and Human Toxicology, 23(4):282-285, August 1981. (Previously published in: Current Intelligence Bulletin, 34, December 23, 1980).

ALBERT, Roy E  
1982

Gaseous formaldehyde and hydrogen chloride induction of nasal cancer in the rat / by Roy E. Albert...[et al]. Journal of the National Cancer Institute, 68(4):597-603, April 1982.

AMDUR, Mary O.  
1960

The response of guinea pigs to inhalation of formaldehyde and formic acid alone and with a sodium chloride aerosol / by Mary O. Amdur. International Journal of Air Pollution, 3(4):201-220, 1960.

**TOXICOLOGIE**  
**TOXICOLOGY**

ANDERSON, R.C.  
1979

Toxicity of thermal decomposition products of urea formaldehyde and phenol formaldehyde foams / by R.C. Anderson...[et al]. Toxicology and Applied Pharmacology, 51:9-17, 1979.

ARIENS, E.J.  
1982

Beware of formaldehyde in disguise / by E.J. Ariens...[et al]. European Journal of Clinical Pharmacology, 23:373-375, 1982.

BARROW, Craig S.  
1984

Species differences in toxicology of the nasal passages: acrylic acid and dimethylamine / by Craig S. Barrow. CIIT Activities, 4(4):1, 4-5, April 1984.

1983

Respiratory and metabolic response of rats and mice to formalin vapor by R.J. Jaeger and J.M. Gearhart / by Craig S. Barrow. [letter]. Toxicology, 28(4):357-359, 1983.

1981

Sensory irritation / by Craig S. Barrow. CIIT Activities, 1(2):3-6, July 1981.

BATTELLE MEMORIAL LABORATORIES  
1981

Final report on a chronic inhalation toxicology study in rats and mice exposed to formaldehyde / by Battelle Memorial Laboratories. Research Triangle Park, North Carolina: Chemical Industry Institute of Toxicology. 1981. [4 vols].

**TOXICOLOGIE**  
**TOXICOLOGY**

BERNARDINI, P.  
1983

Health hazard for hospital workers from exposure to formaldehyde / by P. Bernardini...[et al]. Medicina del lavoro, 74:106-110, 1983.  
[In English with Italian summary].

BONASHEVSKAYA, T.I.  
1974

Amygdaloid lesions after exposure to formaldehyde / by I. Bonashevskaya. Archives d'Anatomi d'Histologie et d'Embryologie, 65(12):56-59, 1973.

1971

On the effects of low concentrations of formaldehyde / by T.I. Bonashevskaya. Gigiena i Sanitariya, 36(5):174-180, 1971.

BOREIKO, Craig J.  
1982

Mutagenic and carcinogenic effects of formaldehyde / by Craig J. Boreiko, David B. Couch, James A. Swenberg. Environmental Science Research, 25:353-367, 1982.

CASANOVA-SCHMITZ, Mercedes  
1984

Differentiation between metabolic incorporation and covalent binding in the labeling of macromolecules in the rat nasal mucosa and bone marrow by inhaled (<sup>14</sup>C)- and (<sup>3</sup>H) formaldehyde / by Mercedes Casanova-Schmitz, Thomas B. Starr and Henry D'A. Heck. Toxicology and Applied Pharmacology, 76(1):26-44, 1984.

1984

Oxidation of formaldehyde and acetaldehyde by NAD<sup>+</sup>-dependent dehydrogenases in rat nasal mucosal homogenates / by Mercedes Casanova-Schmitz, Raymond M. David and Henry d'A Heck. Biochemical Pharmacology, 33(7):1137-1142, 1984.

**TOXICOLOGIE**  
**TOXICOLOGY**

CHANG, J.C.F.  
1983

Nasal cavity deposition, histopathology, and cell proliferation after single or repeated formaldehyde exposures in B6C3F1 mice and F-344 rats / by J.C.F. Chang...[et al]. Toxicology and Applied Pharmacology, 68:161-176, 1983.

CLARY, John J.  
1983

Formaldehyde: toxicology, epidemiology, mechanisms / edited by John J. Clary, James E. Gibson and Richard S. Waritz. New York, New York: Marcel Dekker, 1983. 280 p.

1983

Risk assessment for exposure to formaldehyde / by John J. Clary. IN: Formaldehyde toxicity, edited by James E. Gibson. Washington, D.C.: Hemisphere Publishing, 1983. 11 p.

COON, R.A.  
1970

Animal inhalation studies on ammonia, ethylene glycol, formaldehyde, dimethylamine, and ethanol / by R.A. Coon...[et al]. Toxicology and Applied Pharmacology, 16:646-655, 1970.

DALHAMN, Tore  
1971

Effect of different aldehydes on tracheal mucosa / by Tore Dalhamn and Ake Rosengren. Archives of Otolaryngology, 93(1471):496-500, 1971.

DEAN, J.H.  
1984

Studies of immune function and host resistance in B6C3F1 mice exposed to formaldehyde / by J.H. Dean...[et al]. Toxicology and Applied Pharmacology, 72:519-529, 1984.

**TOXICOLOGIE**  
**TOXICOLOGY**

DOST, Frank N.  
1979

Assessment of potential toxic hazards of formaldehyde / by Frank N. Dost. Proceedings of the Washington State University International Symposium on Particleboard, 13:317-327, April 1979.

EGLE, John L.  
1972

Retention of inhaled formaldehyde, propionaldehyde, and acrolein in the dog / by John L. Egle. Archives of Environmental Health, 25:119-124, 1972.

EUROPEAN CHEMICAL INDUSTRY ECOLOGY AND TOXICOLOGY CENTRE  
1982

Formaldehyde toxicology: an up-dating of the ECETOC technical reports 1 and 2 / by the European Chemical Industry Ecology and Toxicology Centre. Brussels, [Belgium]: ECETOC, 1982. 9 p. (ECETOC Technical report; no. 6).

1982

The mutagenic and carcinogenic potential of formaldehyde / by the European Chemical Industry Ecology and Toxicology Centre. Brussels, Belgium: ECETOC, 1982. 31 p. (ECETOC Technical report; no. 2).

FEDERAL PANEL ON FORMALDEHYDE  
1982

Report of the Federal Panel on Formaldehyde / by the Federal Panel on Formaldehyde. Environmental Health Perspectives, 43(2):139-168, 1982.

FEL'DMAN, Y.G.  
1971

On the effects of low concentrations of formaldehyde / by Y.G. Fel'dman and T.I. Bonashevskaya. Gigiena i Sanitariya, 63:174-180, 1971.

**TOXICOLOGIE**  
**TOXICOLOGY**

FIELDER, R.J.  
1981

Toxicity review 2: formaldehyde / compiled by  
R.J. Fielder...[et al]. London, [England]: Her Majesty's  
Stationery Office, 1981. 16 p.

GAYLOR, David W.  
1983

Mathematical approaches to risk assessment: squamous  
cell nasal carcinoma in rats exposed to formaldehyde vapor  
/ by David W. Gaylor. IN: Formaldehyde Toxicity / edited  
by James E. Gibson. Washington, D.C.: Hemisphere  
Publishing, 1983, pp. 279-283.

GOODMAN, J.I.  
1971

A comparison of rat and human liver formaldehyde  
dehydrogenase / by J.I. Goodman and T.R. Tephly.  
Biochimica et Biophysica Acta, 252:489-505, 1971.

GUNBY, P.  
1980

Fact or fiction about formaldehyde? / by P. Gunby.  
Journal of the American Medical Association (JAMA),  
243(17):1697-1703, May 2, 1980.

HARRISON, John R.  
1983

Urea formaldehyde foam insulation (UFFI) / by  
John R. Harrison and James S. Campbell. Modern Medicine  
of Canada, 38(10):1227-1234, October 1983.



**TOXICOLOGIE  
TOXICOLOGY**

HECK, Henry d'A  
1984

The relevance of disposition studies to the toxicology of formaldehyde / by Henry d'A Heck and Mercedes Casanova-Schmitz. CIIT Activities, 4(5):1, 3-5, May 1984.

1982

Biochemical toxicology of inhaled formaldehyde / by Henry d'A Heck. CIIT Activities, 2(3):3-8, March 1982.

HOOPER, Kim  
1982

The hazard evaluation system and information service: a physician's resource in toxicology and occupational medicine / by Kim Hooper. The Western Journal of Medicine, 137(6):560-571, December 1982.

HORTON, A. Wesley  
1963

Experimental carcinogenesis of the lung: inhalation of gaseous formaldehyde or an aerosol of coal tar by C3H mice / by A. Wesley Horton, Russell Tye and Klaus L. Stemmer. Journal of the National Cancer Institute, 30(1):31-39, 1963.

HSIAO, Shu-hsi  
1978

Occupational health and safety and environmental aspects of urea-formaldehyde resins: final report / by Shu-hsi Hsiao and Jon E. Villaume. Philadelphia, Pennsylvania: The Franklin Institute Research Laboratories, 1978. 64 p. (A literature review: problem definition studies on selected toxic chemicals; v. 6).

JAEGER, Rudolph J.  
1982

Respiratory and metabolic response of rats and mice to formalin vapor / by Rudolph J. Jaeger and Jeffrey M. Gearhart. Toxicology, 25(4):299-309, 1982.

**TOXICOLOGY**  
**TOXICOLOGIE**

KANE, Laurel E.  
1978

Evaluation of sensory irritation from acrolein-formaldehyde mixtures / by Laurel E. Kane and Yves Alarie. American Industrial Hygiene Association Journal, 39:270-274, April 1978.

1977

Sensory irritation to formaldehyde and acrolein during single and repeated exposure in mice / by Laurel E. Kane and Yves Alarie. American Industrial Hygiene Association Journal, 38(10):509-522, 1977.

KARSTADT, Myra  
1984

Formaldehyde: science and regulation / by Myra Karstadt. [editorial]. American Journal of Industrial Medicine, 5:485-487, 1984.

KERNS, William D.  
1983

Carcinogenicity of formaldehyde in rats and mice after long-term inhalation exposure / by William D. Kerns...[et al]. Cancer Research, 43:4382-4392, September 1983.

KREIGER, R.A.  
1983

Formaldehyde-induced cytotoxicity and sister-chromatid exchanges in human lymphocyte cultures / by R.A. Kreiger and V.F. Garry. Mutation Research, 120(1):51-55, 1983.

KULLE, Thomas J.  
1975

Effects of formaldehyde and ozone on the trigeminal nasal sensory system / by Thomas J. Kulle and Gary P. Cooper. Archives of Environmental Health, 30:237-243, May 1975.

**TOXICOLOGIE**  
**TOXICOLOGY**

LEE, Hye Kyung  
1984

Induction of formaldehyde sensitivity in guinea pigs / by Hye Kyung Lee, Yves Alarie and Meryl H. Karol. Toxicology and Applied Pharmacology, 75(1):147-155, 1984.

LOOMIS, Ted A.  
1979

Formaldehyde toxicity / by Ted A. Loomis. Archives of Pathology and Laboratory Medicine, 103:321-324, July 1979.

MANNIX, Richard C.  
1983

Effects of sulfur dioxide and formaldehyde on particle clearance in the rat / by Richard C. Mannix...[et al]. Journal of Toxicology and Environmental Health, 12:429-440, 1983.

MORGAN, Kevin T.  
1983

Formaldehyde and the nasal mucociliary apparatus / by K.T. Morgan, D.L. Patterson and E.A. Gross. IN: Formaldehyde: toxicology, epidemiology, mechanisms / edited by John J. Clary, James E. Gibson and Richard S. Waritz. New York, New York: Marcel Dekker, 1983, pp. 193-209.

1983

The nose and the nasal mucociliary apparatus / by Kevin T. Morgan. CIIT Activities, 3(3):1, 3-6, March 1983.

MORIN, N.C.  
1978

Potential toxicity of materials used for home insulation / by N.C. Morin and H. Kubinski. Ecotoxicology and Environmental Safety, 2:133-141, 1978.

**TOXICOLOGIE**  
**TOXICOLOGY**

MURPHY, S.D.  
1964

Biochemical effects in rats from irritating air  
contaminants / by S.D. Murphy, H.V. Davis and  
V.L. Zaratzian. Toxicology and Applied Pharmacology,  
6:520-528, 1964.

ROSENKRANZ, Herbert S.  
1972

Formaldehyde as a possible carcinogen / by  
Herbert S. Rosenkranz. Bulletin of Environmental  
Contamination and Toxicology, 8(4):242-244, 1972.

RUSCH, George M.  
1983

26-week inhalation toxicity study with formaldehyde  
in the monkey, rat and hamster / by  
George M. Rusch ...[et al]. Toxicology and Applied  
Pharmacology, 68:329-343, 1983.

SALEM, H.  
1960

Inhalation toxicities of some aldehydes / by H. Salem  
and H. Cullumbine. Toxicology and Applied Pharmacology,  
2:183-187, 1960.

SANTÉ ET BIEN-ÊTRE SOCIAL CANADA  
1980

Toxicologie des matériaux utilisés pour l'isolation  
thermique / par la Direction de l'hygiène du milieu,  
Direction général de la protection de la santé, Santé et  
Bien-être social Canada. [Ottawa, Ontario]: Ministre de  
la Santé nationale et du Bien-être social, 1980. 41 p.

SELIKOFF, I.J.

Carcinogenicity of formaldehyde: final report to the  
American Cancer Society / by I.J. Selikoff...[et al].  
New York, New York: City University of New York, Mount  
Sinai School of Medicine, Environmental Sciences  
Laboratory, 1981. 10 p.

**TOXICOLOGIE**  
**TOXICOLOGY**

SHIBA, Mitsutoshi  
1983

An open-ended rat tracheal implant model: toxic effects of formaldehyde on the respiratory epithelium / by Mitsutoshi Shiba, Ann C. Marchok and Andres J.P. Klein-Szanto. Toxicology Letters, 16:241-248, 1983.

SIEGEL, David M.  
1983

Formaldehyde risk assessment for occupationally exposed workers / by David M. Siegel, Vasilios H. Frankos and Marvin A. Schneiderman. Regulatory Toxicology and Pharmacology, 3:355-371, 1983.

SKOG, Erik  
1950

A toxicological investigation of lower aliphatic aldehydes / by Erik Skog. Acta Pharmacologica, 6:299-318, 1950.

SOLOMONS, K.  
1984

Formaldehyde toxicity: part II: review of acute and chronic effects on health / by K. Solomons and J.W.C. Cochrane. South African Medical Journal, 66(3):103-106, 1984.

SQUIRE, Robert A.  
1984

An analysis of potential carcinogenic risk from formaldehyde / by Robert A. Squire and Lorraine L. Cameron. Regulatory Toxicology and Pharmacology, 4(2):107-129, 1984.

STARR, Thomas B.  
1984

The importance of delivered dose in estimating cancer risk from formaldehyde exposure / by Thomas B. Starr. CIIT Activities, 4(6):1, 4-6, June 1984.

**TOXICOLOGIE  
TOXICOLOGY**

STARR, Thomas B.  
1984

The importance of delivered dose in estimating low-dose cancer risk from inhalation exposure to formaldehyde / by Thomas B. Starr and Raymond D. Buck. Fundamental and Applied Toxicology, 4:740-753, 1984.

1984

Understanding formaldehyde toxicity with the delivered dose concept / by Thomas B. Starr and James E. Gibson. Trends in Pharmacological Sciences, 5(11):477-480, 1984.

1983

Mechanisms of formaldehyde toxicity and risk evaluation / by T.B. Starr. IN: Formaldehyde: toxicology, epidemiology, mechanisms / edited by John J. Clary, James E. Gibson and Richard S. Waritz. New York, New York: Marcel Dekker, 1983, pp. 237-258.

1982

Quantitative risk assessment / by Thomas B. Starr and James E. Gibson. CIIT Activities, 2(7):3-5, July 1982.

STEINHAGEN, W.H.  
1984

Sensory irritation structure-activity study of inhaled aldehydes in B6C3F1 and Swiss-Webster mice / by W.H. Steinhagen and C.S. Barrow. Toxicology and Applied Pharmacology, 72:495-503, 1984.

SWENBERG James. A.  
1983

Mechanisms of formaldehyde toxicity / by James A. Swenberg...[et al]. IN: Formaldehyde toxicity / edited by James E. Gibson. Washington, D.C.: Hemisphere Publishing, 1983. 16 p.

**TOXICOLOGIE**  
**TOXICOLOGY**

TSUCHIYA, Kenzaburo  
1975

Toxicity of formaldehyde in experimental animals: concentrations of the chemical in the elution from dishes of formaldehyde resin in some vegetables / by Kenzaburo Tsuchiya...[et al]. Keio Journal of Medicine, 24:19-37, 1975.

ULSAMER, A.G.  
1982

Formaldehyde in indoor air: toxicity and risk / by A.G. Ulsamer...[et al]. Proceedings of the Annual Meeting of the Air Pollution Control Association, 45(2):32-30.4, 1982.

WARTEW, G.A.  
1983

Health hazards of formaldehyde / by G.A. Wartew. Journal of Applied Toxicology, 3(3):121-125, 1983.

YODAIKEN, Ralph E.  
1981

The uncertain consequences of formaldehyde toxicity / by Ralph E. Yodaiken. Journal of the American Medical Association, 246(15):1677-1678, 1981.

ZAREMBO, O.K.  
1983

Studies on formaldehyde toxicity due to application of polymers / by O.K. Zarembo and V.S. Gumennyi. Gigiena i Sanitariya, 0(4):60-62, 1983.  
[In Russian].

ZITTING, Antti  
1982

Biochemical and toxicological effects of single and repeated exposures to polyacetal thermodegradation products / by Antti Zitting, Heikki Savolainen and Juha Nickels. Environmental Research, 29(2):287-296, 1982.

**TOXICOLOGIE - EFFECTS GÉNÉTIQUES**  
**TOXICOLOGY - GENETIC EFFECTS**

**TOXICOLOGIE - EFFECTS GÉNÉTIQUES**  
**TOXICOLOGY - GENETIC EFFECTS**

ALDERSON, Thomas  
1961

Mechanism of mutagenesis induced by formaldehyde /  
by Thomas Alderson. Nature, 191(4785):251-253, 1961.

1960

Mechanism of formaldehyde-induced mutagenesis: the  
uniqueness of adenylic acid in the mediation of the  
mutagenic activity of formaldehyde / by Thomas Alderson.  
Nature, 187(4736):485-489, 1960.

ASHBY, John  
1980

Genetic toxicology studies with formaldehyde and  
closely related chemicals including  
hexamethylphosphoramide (HMPA) / by John Ashby and  
Paul Lefevre. IN: Formaldehyde Toxicity / edited by  
James E. Gibson. Washington, D.C.: Hemisphere  
Publishing, 1983, pp. 85-97.

AUERBACH, C.  
1977

Genetic and cytogenetical effects of formaldehyde and  
related compounds / by C. Auerbach, M. Moutschen-Dahmen  
and J. Moutschen. Mutation Research, 39:317-362, 1977.

BARLOW, Susan M.  
1982

Formaldehyde / by Susan M. Barlow and  
Frank M. Sullivan. IN: Reproductive hazards of  
industrial chemicals / by Susan M. Barlow and  
Frank M. Sullivan. London; Toronto: Academic Press,  
1982, pp. 334-345.

BOREIKO, Craig J.  
1982

Two-stage cell transformation studies / by  
Craig J. Boreiko. CIIT Activities, 2(4):3-5, April 1982.



**TOXICOLOGIE - EFFETS GÉNÉTIQUES**  
**TOXICOLOGY - GENETIC EFFECTS**

CASANOVA-SCHMITZ, Mercedes  
1983

Effects of formaldehyde exposure on the extractability of DNA from proteins in the rat nasal mucosa / by Mercedes Casanova-Schmitz and Henry D'A Heck. Toxicology and Applied Pharmacology, 70:121-132, 1983.

CHANET, R.  
1975

Genetic effects of formaldehyde in yeast: I: influence of the growth stages on killing and recombination / by R. Chanet, C. Izard and E. Moustacchi. Mutation Research, 33:179-186, 1975.

CONNOR, T.H.  
1983

Mutagenicity of formalin the Ames assay / by T.H. Connor...[et al]. Mutation Research, 119(2):145-149, 1983.

CRAFSTROM, Roland C.  
1983

Formaldehyde damage to DNA and inhibition of DNA repair in human bronchial cells / by Roland C. Crafstrom...[et al]. Science, 220(4593):216-218, 1983.

GOFMEKLER, V.A.  
1968

Effect on embryonic development of benzene and formaldehyde in inhalation experiments / by V.A. Gofmekler. Gigiena i Sanitariya, 33(3):327-332, 1968.

**TOXICOLOGIE - EFFETS GÉNÉTIQUES**  
**TOXICOLOGY - GENETIC EFFECTS**

GOH, Kong-oo  
1982

Health hazards of formaldehyde / by Kong-oo Goh and Rafael V.M. Cestero. Journal of the American Medical Association, 247(20):2778, May 28, 1982.

GOLDMACHER, Victor S.  
1983

Formaldehyde is mutagenic for cultured human cells / by Victor S. Goldmacher and William G. Thilly. Mutation Research, 116(3/4):417-422, March 1983.

1983

Mutagenic effects of formaldehyde in bacterial and human cells / by V.S. Goldmacher, P. Temcharoen and W.G. Thilly. IN: Formaldehyde: toxicology, epidemiology, mechanisms / edited by John J. Clary, James E. Gibson, and Richard S. Waritz. New York, New York: Marcel Dekker, 1983, pp. 173-191.

HURNI, H.  
1973

Reproduction study with formaldehyde and hexamethylenetetramine in beagle dogs / by H. Hurni and H. Ohder. Food and Cosmetics Toxicology, 11:459-462, 1973.

MANNA, G.K.  
1967

Formalin-induced sex chromosome breakage in the spermatocyte cells of the grasshopper, *Tristria pulvinata* / by G.K. Manna and B.B. Parida. Journal of Cytology and Genetics, 2(1):86-91, 1967.

NATARAJAN, A.T.  
1983

Evaluation of the mutagenicity of formaldehyde in mammalian cytogenetic assays in vivo and vitro / by A.T. Natarajan...[et al]. Mutation Research, 122:355-360, 1983.

**TOXICOLOGIE - EFFETS GÉNÉTIQUES**  
**TOXICOLOGY - GENETIC EFFECTS**

POVERENNY, A.M.  
1975

Possible mechanisms of lethal and mutagenic action of formaldehyde / by A.M Poverny...[et al]. Mutation Research, 27(1):123-126, January 1975.

RICHARDSON, C.R.  
1983

Evaluation of some formaldehyde-release compounds and other biocides in the mouse micronucleus test / by C.R. Richardson, J.A. Styles and B. Burlinson. Mutation Research, 124(3-4):241-246, 1983.

ROSS, W.E.  
1980

Relationship between DNA damage and survival in formaldehyde-treated mouse cells / by W.E. Ross and N. Shipley. Mutation Research, 79:277-283, 1980.

ZAMORA, P.O.  
1983

Cytotoxicity and mutagenicity of vapor-phase pollutants in rat lung epithelial cells and chinese hamster ovary cells grown on collagen gels / by P.O. Zamora...[et al]. Journal of Toxicology and Environmental Health, 12:27-38, 1983.

CACC / CCAC



5638

**DATE DUE**  
DATE DE RETOUR

DATE DUE / DATE DE RETOUR	

QUEEN Z 7914 .H29 D7 1985  
Draper, Anne  
Bibliographie sur le formald

