

**WHAT EVERY NEW LAWYER NEEDS TO KNOW AND  
HAVE TO WORK IN ASBESTOS LITIGATION - TRAINING  
AND ORIENTING ASBESTOS PERSONAL INJURY LITIGATORS**

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**BY**

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### INTRODUCTION

What follows are listings of various sources of information that will - it is hoped - benefit attorneys who are becoming involved in asbestos personal injury litigation. This is by no means an exhaustive list of the various sources that an attorney should be familiar with or consult prior to trials.

Of course, one should become intimately familiar with a Plaintiff's medical record, a Defendant's historical documents, particular areas of medicine, and particular areas of State-of-the-Art which pertain to the specific case(s) prior to trial. Other presentations and outlines provided at this seminar will supplement the general information provided here.

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# I

## THE HISTORY OF ASBESTOS LITIGATION

### Background

- 1927. The term "asbestosis" appears for the first time in a published British medical case report of an asbestos textile worker.
- 1930's-1940's. Silicosis claims helped influence many state legislatures to adopt workers compensation regulations allowing scheduled recovery for occupational diseases. Some including silicosis and asbestosis.
- 1933. Johns-Manville settles numerous asbestos factory employees' claims allegedly arising from asbestos exposure in a manufacturing facility. [The plaintiff's attorney reportedly agrees not to participate bringing about additional claims.]
- 1938. The United States Public Health Services publishes Public Health Bulletin No. 241 (a Surgeon General's Report). This publication sets forth a MAC (Maximal Allowable Concentration) or TLV (Threshold Limit Value) for asbestos dust of 5,000,000 particles per cubic foot.
- 1939. The MAC or TLV for asbestos dust of 5,000,000 particles per cubic foot as a safe limit is republished in Public Health Bulletin No. 241.
- 1943-1952. The research facilities at Saranac Laboratories conducted studies on a new rigid high temperature insulation product developed by Owens Illinois - Kaylo, which had a temperature limit of 1200° fahrenheit. These studies are the only known pre-marketing health studies on any asbestos containing insulation product at that time.
- 1946. Professor Phillip Drinker (a professor at the Harvard School of Industrial Hygiene and developer of the "iron lung") publishes a study concluding that pipe covering in a shipyard is not a dangerous occupation.

The American Conference of Governmental Industrial Hygienists (ACGIH) adopts MAC or TLV of 5 million particles per cubic foot for asbestos dust. This remains the TLV adopted by members of this organization consisting of various governmental industrial hygienists until 1969.

- 1952. The United States Government adopts by regulation the asbestos dust TLV of 5 million particles per cubic foot. States begin adopting the same TLV.
- 1955. Dr. Gerrit W. H. Schepers, Director of the Saranac Laboratories publishes the Kaylo Study. The published study points out that not even pre-cancerous changes could be postulated in the cells of the animals utilized in the study.
- 1960. The United States Government, recommends the asbestos dust TLV of 5 million particles per cubic foot for work practices associated with shipbuilding and ship repair. Various states continue to adopt the TLV.
- 1961. Gladys Faciane sues numerous cigarette and asbestos manufacturers for her insulator husband's death.
- 1964 through 1966. Studies conducted in part by Dr. Irving J. Selikoff are published. Certain of these studies were undertaken "to determine" if insulators were at an increased risk for asbestosis and allied diseases.
- December 1966. Claude Tomplait, an insulator files a lawsuit seeking damages for asbestosis from 11 asbestos products manufacturers in the Eastern District of Texas.
- 1969. Prior to the Tomplait trial several defendants were dismissed for various causes and five defendants reached a compromise that denied liability. The trial concluded on May 19, 1969 in a verdict for the remaining defendant.
- Clarence Borel, an insulator, filed a lawsuit in Federal Court in Texas claiming asbestos related disease. Again, some defendants settled and one defendant was ultimately dismissed. The jury determined that none of the defendants had committed a gross negligence, that Borel was guilty of contributory negligence but that the six remaining defendants had breached warranties and were strictly liable. The jury and judge awarded damages of approximately \$78,000. The award was affirmed on appeal. (Borel v. Fibreboard, 493 F.2d 1076, (5th Cir. 1973), cert. denied, 419 U.S. 869 (1974))
- 1971. OSHA adopts TLV of 12 fiber per cc of air as initial TLV. OSHA then lowers TLV to 5 fiber per cc.
- John A. Karjala filed a lawsuit in Federal Court in Minnesota after his attorney had reportedly talked to Mr. Borel's attorney. Karjala sued some of the same defendants as Borel. Karjala, like Borel, claims he had

contracted mesothelioma. All defendants except Johns-Manville either settled or were dismissed. Karjala's \$200,000 verdict against Johns-Manville was affirmed on appeal. Karjala v. J-M, 523 F.2d 155 (1975).

- 1972. Pittsburgh Corning closed and dismantled its plant located in Tyler, Texas. Pittsburgh Corning's actions followed investigations by government occupational and health officials. The plant was originally erected by Unarco when it closed its Patterson, New Jersey plant in 1954. The Patterson plant is the subject of certain Selikoff studies.

1972. Pursuant to OSHA, federal regulations were adopted requiring a cautionary statement on containers of asbestos-containing materials that exceed the TLV when manipulated. OSHA continues to adopt ACGIH TLV's.

- 1974. Yandle v. PPG, 65 F.R.D. 566 (E.D. Tex. 1974). A plaintiff's attorney having been retained by seven or eight prospective plaintiffs who had been employed at the Pittsburgh Corning/Unarco plant in Tyler, Texas, filed a class action in the Federal Court in Tyler on behalf of approximately 570 plant employees. The court denied class action status. Settlement was reportedly reached in the amount of \$20 million to be paid by the various defendants including the plaintiff's union and the United States Government.

- 1974. A Pittsburgh Plaintiff's attorney filed lawsuits on behalf of Carollo and DeRocco, two pipecoverers at the Wheeling-Pittsburgh Steel Corporation plant. During the course of discovery in these cases, testimony of former J-M medical director, Dr. Kenneth Smith, was developed wherein Dr. Smith testified that in the 1950's he had discussed with Manville management whether to place warning labels on asbestos insulation products produced by J-M. Carollo v. Forty-Eight Insulations Co., 252 Pa. Super 422, 381 A.2d 990 (Pa. 1977).

- 1975. A Plaintiff's attorney filed a complaint in Federal District Court in New Jersey on behalf of 286 former R-M employees. Discovery uncovers "the Sumner Simpson papers", the "smoking gun" purporting to unveil coverup effort by R-M, Johns-Manville, Metropolitan Life, and certain asbestos-containing product producers.

Additional documents were discovered revealing an arrangement between J-M and several other asbestos-containing product producers regarding research to study the health aspects of asbestos. A condition of the study was that sponsors of the study were to approve any publication.

The cases reportedly settled for \$15.1 million in 1981. The plaintiff's take home award which was allotted among 683 plaintiffs in payments that are said to have ranged between \$1,250 to more than \$200,000.

- 1975. A plaintiff's attorney in Knoxville, TN, is retained by an asbestos insulator. He calls Borel's attorney's partner to investigate potential defendants and strategy. The defendants who pursued the case to trial prevailed in November of 1977.
- 1975 through 1977. A California Plaintiff's attorney is retained by approximately 30 workers from a J-M Pittsburgh (California) plant and filed claims against the J-M plant physician and others. Discovery revealed more potentially damning documents and information reflecting upon J-M's knowledge of the potential adverse health effects of exposure to asbestos. Among these were two settled third-party lawsuits for negligence and breach of warranty filed against J-M by insulators in 1957 and 1961.

Apparently, in part as a result of the testimony of a former J-M employee reportedly to the effect that J-M had a policy of not revealing adverse health conditions to its employees, 80 former J-M employees of the Pittsburgh plant filed a \$10 million punitive damage claim against J-M.

- 1977. The minutes of the Asbestos Textile Institute (ATI) are discovered. These purport to show early knowledge by the members of asbestos disease occurring in those exposed to their products.
- 1978. A meeting is held in Atlanta which begins the process culminating in an organization of plaintiffs' attorneys entitled the Asbestos Litigation Group.
- 1978. Plaintiffs' attorneys and "investigator/expert" Barry Castleman undertook research and located some workers compensation claims filed against various producers that also had insulator contract units.

Coverage disputes between certain primary carriers and their insureds resulted in lawsuits. One dispute centered upon the "exposure theory" versus "manifestation theory". The "exposure theory" was adopted by the trial court and affirmed by the Sixth Circuit. INA v. Forty-Eight Insulations Co., 657 F.2d 814 (6th Cir.), cert. denied, 454 U.S. 1109 (1981).



Secretary of HEW, Joseph A. Califano, Jr., issued a statement concerning the biological effects of asbestos and ordered the Surgeon General of the U.S. to send an advisory letter to all 400,000 physicians in the nation describing the claimed health risk posed by asbestos.

Congresswoman Millicent Fenwick of New Jersey introduced the bill known as the Asbestos Health Hazards Compensation Act. The bill was not passed.

The text of the report of an industrial hygienist, W.C.L. Hemeon for the ATI was discovered. It is contended that this report demonstrated that the members of the ATI were aware that the asbestos TLV was excessive. This report, containing no citations, was prepared in 1947. In 1955 in a published text, Hemeon cited the asbestos TLV as 5 million particles per cubic foot.

Dr. Gerrit W. H. Schepers revealed to Plaintiffs' attorneys his relationship with Saranac, J-M, and Owens-Illinois.

Keene (approximately 500 cases pending) filed suit for declaratory judgment against INA and other insurance companies. The Court of Appeals for the District of Columbia adopted the "triple trigger" (a modified version of the "exposure theory") ruling that insurance coverage could be "triggered" by: (1) the initial inhalation of asbestos fibers, (2) by exposure-in-residence to the fibers, and (3) by the manifestation of asbestos disease.

As of the fourth quarter of 1981, approximately 20 declaratory judgment actions relating to insurance coverage matters were pending nationwide, nevertheless the U.S. Supreme Court declined to hear an appeal of either Keene v. INA, 667 F.2d 1034 (D.C. Cir. 1981), cert. denied, 455 U.S. 1007 (1982) or INA v. Forty-Eight Insulations Co., 657 F.2d 814 (6th Cir.), cert. denied, 454 U.S. 1109 (1981).

- 1979 through 1982. Various attempts are made to seek damages, contribution and/or indemnity from the United States government by plaintiffs and/or defendants/third-party plaintiffs. Generally speaking, results of these efforts have been favorable to the government.
- Late 1970's - early 1980's. Plaintiffs unsuccessfully attempt to have various class action lawsuits certified or to have the asbestos cases supervised by the Multi-District Litigation Panel.
- 1980. J-M files a lawsuit (declaratory-judgment) in state court in San Francisco against Home Insurance Company seeking coverage.

- 1980. The widow of an insulator who died of mesothelioma, received a \$3 million compensatory damage award from a jury in Beaumont, Texas. The award was reduced by Judge Robert Parker to \$1.5 million. Judge Parker had refused to allow the jury to consider punitive damages in this trial against Nicolet Industries. Migues v. Fibreboard Corp., 662 F.2d 1182 (5th Cir. (1981)).

- 1981. Vandiver Brown, a former attorney with J-M, who had been thought dead, is found alive and apparently mentally incompetent in Edinburgh, Scotland. Brown actually died on September 2, 1983, at the age of 82.

November 1981. Speake v. J-M, California (plant worker cases) begins trial. At the conclusion of the trial which included the testimony of Dr. Paul Kotin and J-M CEO John McKinney, the jury returned a verdict for Mr. Speake and against J-M in the amount of \$150,000 in compensatory damages. No punitive damages were awarded.

Commercial Union calls for federal legislation in its position paper "Asbestos: A social problem."

- 1981 through 1982. J-M goes to trial approximately 65 times losing punitive damages a total of 10 times in a total amount reportedly of \$6 million.

Migues is retried before Judge Parker with four other cases before five separate juries simultaneously. Of the five verdicts returned, some were for the plaintiff while others were for the defendant, hence, collateral estoppel could not be applied against the defendants.

Increasing compensatory damage awards and an increasing number of punitive damages awards are apparently utilized by J-M to support its filing for reorganization under Chapter 11 of the Federal Bankruptcy Code on August 26, 1982.

- 1983 through 1985. As a result of bankruptcy proceedings, J-M is severed from pending cases and future filings.

Limited experimentation continues with new trial formats, including reversed bifurcation, multiple juries for multiple cases tried simultaneously in a single courtroom and trials of groups of cases (usually less than 10) before a single jury on all issues.

- April through May 1985. Fifty (50) cases are consolidated for trial on the issues of liability and punitive damages in Federal District Court in Galveston, Texas. The jury determines that labeling by January 1, 1967 was timely and adequate.

- 1985. The Asbestos Claims Facility is established, thereby averting numerous declaratory judgment actions relating to insurance coverage issues and potentially reducing defendants' litigation costs.
- 1985 through 1987. Plaintiffs' attorneys screening procedures are in place or expanded for reviewing numerous present and previous workers engaged in the construction trades and trades allied to the construction and shipbuilding trades. New filings in 1985 are approximately 10,000, in 1986 approximately 17,000 and in 1987 approximately 22,000 cases.

The "case mix" has shifted dramatically from predominately insulator/shipyard workers to predominately non-insulator cases and individuals with more peripheral exposure.

- April - May 1986. Judge Parker presides over a class action trial of approximately 750 plaintiffs alleging exposure to asbestos from a variety of occupations and circumstances. The cases are compromised, the terms of which provide for Alternative Dispute Resolution and a waiver by plaintiffs of any entitlement to punitive damages.
- May 1987 through July, 1987. Ninety-two (92) cases are consolidated for trial on the issue of liability and punitive damages in the Federal District Court in Galveston, Texas. The jury determines that the plaintiffs are not entitled to any punitive damages.
- October 1988. Asbestos Claims Facility dissolves.
- 1988. New case filings reach approximately 22,000 cases.
- 1985 through present. Most courts continue to try cases either in a reverse bifurcation or a traditional format. Some courts are "clustering" groups of cases for trials on all issues or in a reverse bifurcation format. A very limited number of courts are attempting "novel methods" of disposition by mass consolidations or class actions.
- 1989. Manville emerges from bankruptcy and The Manville Trust begins paying plaintiffs on a FIFO basis. The average payment per case is said to exceed \$40,000. It is reported that the bulk of the cases first settled by the Trust are the same cases resolved during bankruptcy where non-bankrupt defendants - for the large part - had paid the J-M share.
- New case filings again reach approximately 22,000 cases.

- 1990. A Maryland state court judge consolidates up to 9,000 cases pending in the various state courts in Maryland scheduling the consolidated cases for trial on the issues of liability and punitive damages in April 1991.
- 1990. Judge Weinstein begins re-examining the Manville bankruptcy matter. Judges Weinstein, Lambros and Parker are all attempting or threatening to schedule national class actions.
- 1990. Dartez is reversed for the third time by the Fifth Circuit Court of Appeals. Dartez v. Owens-Illinois, 910 F.2d 1291, 5th Cir., 1990.

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A comprehensive history of the asbestos textile industry in the United States can be found in a series of ASBESTOS magazine articles beginning August 1970 and concluding in September 1972.

## II

### A. GENERAL INFORMATION TEXTS

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What follows is a listing of various publications that have appeared through the last several years dealing with asbestos and health. It is felt that if one has familiarity with these texts one will be generally familiar with asbestos medicine. Not all of these publications are recognized as accepted medical and scientific treatises. In fact, at least two of the publications cited are included simply because they portray what plaintiffs generally contend in court.

1. Cancer Facts and Figures 1990  
American Cancer Society
2. First Annual Report on Carcinogens  
Department of Health and Human Services  
Prepared by National Toxicology Program  
U. S. Public Health Service  
July 1980 - Volume 1
3. Second Annual Report on Carcinogens  
U. S. Department of Health and Human Services  
Public Health Service  
December 1981
4. Occupational Respiratory Diseases  
Asbestos-Associated Disease  
Reprinted from Maxcy-Rosenau  
Public Health and Preventive Medicine  
11th ed. 1980
5. The Health Consequences of Smoking - Cancer  
A Report of the Surgeon General  
U. S. Department of Health and Human Services  
Public Health Service  
Office on Smoking and Health, 1981
6. Update - Cancer and Occupation: A Study of  
Mortality Among Petroleum Refinery and  
Petrochemical Workers  
National Cancer Institute  
Office of Cancer Communications  
April 1982

7. Workplace Exposure to Asbestos  
NIOSH, U. S. Department of Health and Human Services  
Public Health Service  
Centers for Disease Control  
National Institute for Occupational Safety and  
Health DHHS  
(NIOSH) Publication No. 81-103, November 1980
8. Diagnosis of Diseases of the Chest  
Third Edition, 1988  
Fraser and Pare  
Volume I-IV  
W. B. Saunders Company
9. Health Hazards of Asbestos Exposure  
Annals of the New York Academy of Sciences  
Volume 330 (1979)
10. Biological Effects of Asbestos  
Annals of the New York Academy of Sciences  
Volume 132 (1965)
11. Disability Compensation for Asbestos-Associated Diseases  
in the United States (1982)  
by Irving J. Selikoff, M.D.  
Environmental Sciences Laboratory  
Mount Sinai School of Medicine of the City University  
of New York
12. The Health Consequences of Smoking: The Changing  
Cigarette - A Report of the Surgeon General  
U. S. Department of Health and Human Services  
Public Health Service, 1981  
DHHS (PHS) 81-50156
13. Asbestos and Disease  
by Irving J. Selikoff and Douglas H. K. Lee  
Academic Press, 1978
14. Scientific Advances in Asbestos  
1967 to 1985  
by A. A. Hodgson  
Anjalena Publications 1986
15. Alternatives to Asbestos and Asbestos Products  
by A. A. Hodgson  
Anjalena Publications Ltd., 1987
16. Journal of Environmental Pathology and Toxicology  
Volume 3, Number 4, March 1980  
Edited by H. G. Demopoulos, M.D. and M. A. Mehlman, Ph.D.  
Official Organ of the American College of Toxicology,  
Special Issue

17. Pulmonary Medicine  
Second Edition by Clarence A. Guenter and Martin H. Welch  
J. B. Lippincott Company, 1982
18. Diseases of the Chest  
Fourth Edition  
by H. Corwin Hinshaw, M.D. and John F. Murray, M.D.  
W. B. Saunders Company, 1980
19. Smoking and Health  
Note: Report of the Advisory Committee to the Surgeon  
General of the Public Health Service (1964)  
U. S. Department of Health, Education and Welfare  
Public Health Service  
Center for Disease Control  
Publication No. 1103
20. Reducing the Health Consequences of Smoking  
25 Years of Progress  
A Report of the Surgeon General, 1989
21. The Causes of Cancer  
by Richard Doll and Richard Petro  
Oxford Medical Publications, 1981
22. 1981 Cold Spring Harbor Laboratory Banbury Report  
Quantification of Occupational Cancer  
Edited by Richard Petro
23. Clinics in Chest Medicine  
May 1981  
Volume 2/Number 2  
Occupational Lung Diseases I  
Stuart M. Brooks, M. D., James E. Lockey, M.D. and  
Philip Harber, M.D.
24. Registry of Toxic Effects of Chemical Substances  
1975 Edition  
U. S. Department of Health, Education and Welfare  
June 1975
25. Occupational Report on Proceedings Before the  
Occupational Health & Safety Administration  
RE: Advisory Committee on Asbestos Dust Conference  
February 22, 1972
26. Official Report on Proceedings Before the  
Occupational Health & Safety Administration  
RE: Advisory Committee on Asbestos Dust Conference  
February 15, 1972

27. Official Report on Proceedings Before the  
Occupational Health & Safety Administration  
RE: Advisory Committee on Asbestos Dust Conference  
February 3, 1972
28. Official Report on Proceedings Before the  
Occupational Health & Safety Administration  
RE: Advisory Committee on Asbestos Dust Conference  
February 14, 1972
29. Official Report on Proceedings Before the  
Occupational Health & Safety Administration  
RE: Advisory Committee on Asbestos Dust Conference  
February 23, 1972
30. Smoking and Health  
A Report of the Surgeon General  
U. S. Department of Health, Education and Welfare  
DHEW Publication No. (PHS) 79-50066, 1979
31. Asbestos: Medical and Legal Aspects  
by Barry I. Castleman  
1984
32. Asbestos: Medical & Legal Aspects  
by Barry I. Castleman  
1990 - 3rd Edition
33. Occupational Lung Disorders  
Second Edition, 1982  
W. Raymond Parkes
34. Report of the Royal Commission on Matters of Health  
and Safety Arising From the Use of Asbestos in  
Ontario  
1984  
Volumes 1-3  
published by the Ontario Ministry of the Attorney General  
and maybe obtained from:  
  
Ontario Ministry of Government Services  
Publications Service Branch  
880 Bay Street  
Toronto, Ontario Canada  
M7A1N0
35. Asbestos: Effects on Health of Exposure to Asbestos  
Richard Doll and Julian Petro  
Health and Safety Commission, London: Her Majesty's  
Stationary Office, 1985



36. Asbestos-Related Disease  
by Leslie Preger with Donald T. Arai, Paul Kotin,  
Hans Weill and Jack Werchick
37. The Best of The Journal of Irreproducible Results,  
"Improbable Investigations & Unfounded Findings"  
edited by Dr. George H. Scherr  
Associate Editor Richard Liebmann-Smith  
Workman Publishing, New York
38. United States Government Memorandum  
July 21, 1983  
Chronic Hazard Advisory Panel (CHAPS) Report
39. Pathology of Occupational Lung Disease  
by Andrew Churg and Francis H. Y. Green  
Igaku-Shoin Medical Publishers, Inc., NY, NY, 1988
40. Pulmonary Pathology  
by D. H. Dail and S. P. Hammar  
Springer-Verlag New York, Inc., 1988
41. Dangers of Smoking  
Benefits of Quitting & Relative Risks of Reduced Exposure  
Published by the American Cancer Society
42. The Health Consequences of Smoking: Cancer and Chronic  
Lung Disease in the Workplace  
a Report of the Surgeon General  
1985
43. NCI Monographs  
Cancer Control Objectives for the Nation: 1985-2000  
Number 2, 1986
44. The Apocalyptic  
Edith Efron  
Simon & Schuster (1984)
45. Outrageous Misconduct - The Asbestos Industry on Trial  
Paul Brodeur
46. Sourcebook on Asbestos Disease  
Peters & Peters
47. Threshold Limit Values Discussion and Thirty-Five Year  
Index With Recommendations  
Annals of the American Conference of Industrial  
Hygienists  
Published by ACGIH  
Volume 9 (1984)

48. Asbestos and Other Natural Mineral Fibres  
published under the joint sponsorship of the United Nations Environment Programme, the International Labor Organization and the World Health Organization  
1986
49. Involuntary Smoking - A Report of the Surgeon General  
United States Department of Health, Education and Welfare  
1986
50. "Perspectives on Toxicological Risk: An Example: Food Borne Carcinogenic Risk," Robert J. Scheuplein, Ph.D.  
Office of Toxicological Sciences  
Center for Food Safety and Applied Nutrition  
Food & Drug Administration, Washington, D.C.
51. Health Effects of Asbestos And of Some Other Minerals and Fibres  
by Premysl V. Pelnar, M. D.  
Volume I, II, III  
1988



II

**B. SIGNIFICANT LEARNED TREATISES  
RELATING TO ASBESTOS AND DISEASE**

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1. "Pulmonary Asbestosis"  
by W. E. Cooke (1927)
2. "Report on Effects of Asbestos Dust On The Lung and  
Dust Suppression In The Asbestos Industry"  
by E. R. A. Merewether, M.D. and C. W. Price (1930)
3. "Effects Of The Inhalation Of Asbestos Dust On The  
Lungs Of Asbestos Workers"  
by Lanza, et al (1935)
4. "A Study Of Asbestosis In The Asbestos Textile Industry"  
by Dreessen, et al (1938)
5. "Silicosis and Asbestosis"  
edited by A. J. Lanza, 1938
6. "A Health Study Of Pipe Covering Operations In  
Constructing Naval Vessels"  
by Fleischer, et al (1946)
7. "Asbestosis And Cancer Of The Lung"  
Editorial, Jama (1949)
8. "Mortality From Lung Cancer In Asbestos Workers"  
by Richard Doll (1935)
9. "An Epidemiological Study Of Lung Cancer In Asbestos  
Miners"  
by Braun and Truan (1958)
10. "Diffuse Pleural Mesothelioma And Asbestos Exposure In  
The North Western Cape Province"  
by J. C. Wagner, C. A. Sleggs and Paul Marchand (1960)
11. "Asbestos Exposure And Neoplasia"  
by Selikoff, et al (1964)
12. "The Occurrence Of Asbestosis Among Insulation Workers  
In The United States"  
by Selikoff, Churg and Hammond (1965)
13. "The Work Environment Of Insulating Workers"  
by Balzer and Cooper (1968)

14. "Diffuse Malignant Mesothelioma Of The Pleura: A Review Of 37 Cases"  
by Oels, et al (1971)
15. "Biological Effects Of Asbestos - Proceedings Of A Working Conference Held At The International Agency For Research on Cancer", Lyon, France, 2-6 October 1972
16. "Carcinogenicity Of Amosite Asbestos"  
by Selikoff, et al (1972)
17. "Lung Function Profiles In The Chrysotile Asbestos Mines & Mills of Quebec"  
by Margaret Becklake  
Chest 69(2) Feb 1976 Supp
18. The Complexities in the Evaluation of Epidemiologic Data of Fiber-Exposed Populations by J. C. Wagner, reprinted from Dusts and Disease, 1979
19. "Mortality of Workers Certified By Pneumoconiosis Medical Panels as Having Asbestosis"  
by G. Berry  
British Journal of Industrial Medicine  
Vol. 38, 1981
20. "The Pathology of Asbestos-Associated Diseases Of The Lungs And Pleural Cavities: Diagnostic Criteria And Proposed Gratings Schema"  
by Craighead, et al (1982)
21. "Asbestos: Historical Perspective"  
by Lawrence Garfinkel (1984)  
and  
"Asbestos - An Industrial Asset With A Health Cost"  
by William R. Barclay, M.D. (1984)
22. "Non-Asbestos-Related Malignant Mesothelioma - A Review"  
by Peterson, et al (1984)
23. "The Origin And Basis Of Threshold Limit Values"  
by Jeffrey M. Paull (1984)
24. "The Diagnosis Of Non-Malignant Diseases Related To Asbestos". Am Rev Respir Dis, 1986; 134:363-368
25. Third International Conference on Environmental Lung Disease. Chest 91:2, February 1987

26. Guides to the Evaluation of Permanent Impairment, Second Edition. (Chapter 3).
27. Pathology/Occupational Lung Disease, A. Chugg, M.D. and Francis H. Y. Green, M.D. (1988 Igaku-Shoin Medical Publishers, Inc.)
28. Asbestos: Scientific Developments and Implications for Public Policy by B. T. Mossman, J. Bignon, M. Corn, A. Seaton, J.B.L. Gee, Science, January 19, 1990
29. Asbestos, Carcinogenicity, and Public Policy by Arnold R. Brody, Science, May 18, 1990
30. Asbestos and Carcinogenicity by J. Corbett McDonald and Alison D. McDonald, Science, August 24, 1990
31. Asbestos: a chronology of its origins and health effects by R. Murray, British Journal of Industrial Medicine 1990; 47:361-365



## II

### C. SUGGESTED JOURNALS FOR FREQUENT REVIEW

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There are dozens of medical and scientific journals that should be reviewed periodically. This is most easily done by reviewing MED-LINE and other computer data base services provided by the National Library of Medicine, 8600 Rockville Pike, Building 38, Bethesda, Maryland 20814 and others to anyone who wishes to subscribe. Subscriptions are usually reasonable. In addition to MED-LINE one should stay in contact with their various consultants to determine what text and publications have appeared that are of note in the profession.

The following journals and/or articles are recommended for regular review:

1. American Journal of Industrial Medicine (Irving J. Selikoff, Editor in Chief), Wiley-Liss, Inc., Publisher, 41 E. 11th Street, New York, New York, 10003
2. Chest (official publication of the American College of Chest Physicians), 911 Busse Highway, Park Ridge, Illinois, 60068-2375
3. British Journal of Industrial Medicine, Box 560B, Kennebunkport, Maine, 04046
4. Journal of Occupational Medicine (JOM), Williams & Wilins, Publisher, 428 West Preston Street, Baltimore, Maryland, 21202-3993
5. American Review of Respiratory Disease (official journal of the American Thoracic Society), ATS Subscription Office, 1740 Broadway, New York, New York, 10019-4374
6. The Pneumoconioses, A. J. Lanza, M.D., Grune & Stratton, Publishers, 1963



7. Asbestos Worker Journals

- a. October, 1956
- b. April, 1957
- c. July, 1957
- d. November, 1961
- e. February, 1963
- f. November, 1963
- g. February, 1964
- h. November, 1964
- i. November, 1965
- j. February, 1966
- k. May, 1966
- l. August, 1966
- m. May, 1967
- n. May, 1968
- o. August, 1968



### III

#### CASE LAW RELATING TO STATE-OF-THE-ART

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The following is a list of cases where the issue of State-of-the-Art has been addressed by the courts:

<u>STYLE OF CASE</u>	<u>STATE</u>
1. <u>Anderson v. Owens-Corning Fiberglas Corp.</u> 266 Cal. Rptr. 205 (Cal. App. 2 Dist. 1990)	California
2. <u>Cole v. Fair Oaks Fire Protection District</u> 233 Cal. Rptr. 308 (Cal. 1987)	California
3. <u>In re Related Asbestos Cases</u> 543 F. Supp. 1152 (N.D. Cal. 1982)	California
4. <u>Vermeulen v. Superior Court</u> 251 Ca. Rptr. 805 (Cal. App. 1 Dist. 1988)	California
5. <u>In re Asbestos Litigation</u> 509 A.2d 1116 (Del. Super. 1986)	Delaware
6. <u>Nicolet, Inc. v. Nutt</u> 525 A.2d 146 (Del. 1987)	Delaware
7. <u>Nutt v. A.C.&amp;S. Co., Inc.</u> 517 A.2d 690 (Del. Super. 1986)	Delaware
8. <u>Nutt v. GAF Corp.</u> 526 A.2d 564 (El. Super. 1986)	Delaware
9. <u>Dorse v. Armstrong World Industries, Inc.</u> 798 F.2d 1372 (11th Cir. 1986)	Florida
10. <u>Hendrix v. Raybestos Manhattan, Inc.</u> 776 F.2d 1492 (11th Cir. 1985)	Georgia
11. <u>Wammock v. Celotex Corp.</u> 797 F.2d 939 (11th Cir. 1986)	Georgia
12. <u>Costello v. Unarco Industries, Inc.</u> 473 N.E.2d 96 (Ill. App. 4 Dist. 1984) rev'd 490 N.E.2d 675 (Ill. 1988)	Illinois

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13. Froud v. Celotex Corp.  
456 N.E.2d 131 (Ill. 1983) Illinois
14. In the Matter of Johns-Manville Cases  
511 F. Supp. 1229 (N.D. Ill. 1981) Illinois
15. Lipke v. Celotex Corp.  
505 N.E.2d 1213 (Ill. App. 1 Dist. 1987) Illinois
16. Pitts v. Unarco Industries, Inc.  
712 F.2d 276 (7th Cir. 1983) Indiana
17. Menne v. Celotex Corp.  
641 F. Supp. 1429 (D. Kan. 1986)  
reversed 861 F.2d 1453 (10th Cir. 1989) Kansas
18. Halphen v. Johns-Manville Sales Corp.  
737 F.2d 462 (5th Cir. 1984) Louisiana
19. Halphen v. Johns-Manville Sales Corp.  
755 F.2d 393 (5th Cir. 1985) Louisiana
20. Halphen v. Johns-Manville Sales Corp.  
484 So.2d 110 (La. 1986) Louisiana
21. Halphen v. Johns-Manville Sales Corp.  
788 F.2d 274 (5th Cir. 1986) Louisiana
22. Martin v. American Petrofina, Inc.  
779 F.2d 250 (5th Cir. 1985) Louisiana
23. Porter v. American Optical Corp.  
641 F.2d 1128 (5th Cir. 1981) Louisiana
24. Richoux v. Armstrong Cork Corp.  
777 F.2d 296 (5th Cir. 1985) Louisiana
25. Austin v. Unarco Industries, Inc.  
705 F.2d 1 (1st Cir. 1983) Maine
26. Bernier v. Raymark Industries, Inc.  
516 A.2d 534 (Me. 1986) Maine
27. Lohrmann v. Pittsburgh Corning Corp.  
782 F.2d 1156 (4th Cir. 1986) Maryland
28. Anderson v. Owens-Illinois, Inc.  
799 F.2d 1 (1st Cir. 1986) Massachusetts

STYLE OF CASE

STATE

29. O'Brien v. Ottawa Silica Co.  
565 F. Supp. 610 (E.D. Mich. 1987) Michigan
30. Bertrand v. Johns-Manville Sales Corp.  
529 F. Supp. 539 (D. Minn. 1982) Minnesota
31. Karjala v. Johns-Manville Products Corp.  
523 F.2d 155 (8th Cir. 1975) Minnesota
32. Jackson v. Johns-Manville Sales Corp.  
750 F.2d 1314 (5th Cir. 1985) Mississippi
33. Elmore v. Owens-Illinois  
673 S.W.2d 434 (Mo. en banc 1984) Missouri
34. Nenne v. Celotex Corp.  
861 F.2d 1453 (10th Cir. 1988) Nebraska
35. Town of Hooksett School District v.  
W. R. Grace and Co.  
617 F. Supp. 126 (D.N.H. 1984) New Hampshire
36. Beshada v. Johns-Manville Products Corp.  
447 A.2d 539 (N.J. 1982), limited in  
Campolongo v. Celotex Corp., 681 F.  
Supp. 261 (D.N.J. 1988) New Jersey
37. Campolongo v. Celotex Corp.  
681 F. Supp. 261 (D.N.J. 1988) New Jersey
38. Fischer v. Johns-Manville Corp.  
512 A.2d 466 (N.J. 1986) New Jersey
39. Fischer v. Johns-Manville Corp.  
512 A.2d 466 (N.J. 1986) (defendants'  
knowledge admissible as relevant to  
other issues) New Jersey
40. Gogol v. Johns-Manville Sales Corp.  
595 F. Supp. 971 (D.N.J. 1984) New Jersey
41. In re Asbestos Litigation  
628 F. Supp. 774 (D.N.J. 1986)  
(New Jersey common law rule that  
state-of-the-art defense not  
available to strict liability) New Jersey

STYLE OF CASESTATE

- claim against asbestos manufacturers), certified question answered by In re Asbestos Litigation, 829 F.2d 1233 (3d Cir. 1987); cert. denied, Owens-Illinois, Inc. v. Danfield, 485 U.S. 1029 (1988)
42. In Re Asbestos Litigation New Jersey  
829 F.2d 1233 (3rd Cir. 1987)
43. Leonen v. Johns-Manville Corp. New Jersey  
717 F. Supp. 272 (D.N.J. 1989)
44. Menna v. Johns-Manville Corp. New Jersey  
585 F. Supp. 1178 (D.N.J. 1984),  
aff'd 772 F.2d 895 (3d Cir. 1985),  
vacated sub. nom. Barbaccia v. Johns-  
Manville Corp., 802 F.2d 445  
(3d Cir. 1986) (without opinion)
45. Millison v. E.I. du Pont de Nemours Co. New Jersey  
501 A.2d 505 (N.J. 1985)
46. Barwick v. Celotex Corp. North Carolina  
736 F.2d 946 (4th Cir. 1984)
47. Moran v. Johns-Manville Sales Corp. Ohio  
691 F.2d 811 (6th Cir. 1982)
48. Yung v. Raymark Industries, Inc. Ohio  
789 F.2d 397 (6th Cir. 1986)
49. Dale v. Baltimore & Ohio R. Co. Pennsylvania  
552 A.2d 1037 (Pa. 1989)
50. In re Asbestos School Litigation Pennsylvania  
107 F.R.D. 215 (E.D. Pa. 1985)
51. Ivins v. Celotex Corp. Pennsylvania  
115 F.R.D. 159 (E.D. Pa. 1986)
52. Martin v. Johns-Manville Corp. Pennsylvania  
469 A.2d 655 (Pa. Super. 1983),  
vacated on other grounds in 494  
A.2d 1088 (Pa. Super. 1985)
53. Martin v. Johns-Manville Corp. Pennsylvania  
494 A.2d 1088 (Pa. 1985)

<u>STYLE OF CASE</u>	<u>STATE</u>
54. <u>Morgan v. Johns-Manville Corp.</u> 511 A.2d 184 (Pa. Super. 1986)	Pennsylvania
55. <u>Rosenburg v. Johns-Manville Corp.</u> 85 F.R.D. 292 (E.D. Pa. 1980)	Pennsylvania
56. <u>Taylor v. Celotex Corp.</u> 574 A.2d 1084 (Pa. Super. 1990)	Pennsylvania
57. <u>Van Buskirk v. Carey Canadian Mines, Ltd.</u> 760 F.2d 481 (3d Cir. 1985)	Pennsylvania
58. <u>Wisniewski v. Johns-Manville Corp.</u> 812 F.2d 81 (3d Cir. 1987)	Pennsylvania
59. <u>Cathey v. Johns-Manville Sales Corp.</u> 776 F.2d 1565 (6th Cir. 1985)	Tennessee
60. <u>Daniels v. Combustion Engineering, Inc.</u> 583 S.W.2d 768 (Tenn. App. 1978)	Tennessee
61. <u>Dykes v. Raymark Industries, Inc.</u> 801 F.2d 810 (6th Cir. 1986)	Tennessee
62. <u>Johnson County, Tenn. v. United Gypsum Co.</u> , 580 F. Supp. 284 (E.D. Tenn. 1984), see also: 664 F. Supp. 1127 E.D. Tenn. 1985)	Tennessee
63. <u>Murphy v. Owens-Illinois, Inc.</u> 779 F.2d 340 (6th Cir. 1985)	Tennessee
64. <u>Borel v. Fibreboard Paper Products Corp.</u> 493 F.2d 1076 (5th Cir. 1973)	Texas
65. <u>Castorina v. Lykes Bros. Steamship Co.</u> 578 F. Supp. 1153 (S.D. Tex. 1984)	Texas
66. <u>Castornia v. Lykes Bros. Steamship Co.</u> 758 F.2d 1025 (5th Cir. 1985)	Texas
67. <u>Dartez v. Fibreboard</u> 765 F.2d 456 (5th Cir. 1985)	Texas
68. <u>Gideon v. Johns-Manville Sales Corp.</u> 761 F.2d 1129 (5th Cir. 1985)	Texas

STYLE OF CASE

STATE

- |     |                                                                                 |            |
|-----|---------------------------------------------------------------------------------|------------|
| 69. | <u>Hansen v. Johns-Manville Products Corp.</u><br>734 F.2d 1036 (5th Cir. 1984) | Texas      |
| 70. | <u>Jenkins v. Raymark Industries, Inc.</u><br>782 F.2d 468 (5th Cir. 1986)      | Texas      |
| 71. | <u>Wilson v. Johns-Manville Sales Corp.</u><br>107 F.R.D. 250 (S.D. Tex. 1985)  | Texas      |
| 72. | <u>Wilson v. Johns-Manville Sales Corp.</u><br>810 F.2d 1358 (5th Cir. 1987)    | Texas      |
| 73. | <u>Joyce v. A.C. and S., Inc.</u><br>785 F.2d 1200 (4th Cir. 1986)              | Virginia   |
| 74. | <u>Oman v. Johns-Manville Corp.</u><br>764 F.2d 224 (4th Cir. 1985)             | Virginia   |
| 75. | <u>Crittendon v. Fibreboard Corp.</u><br>794 P.2d (Wash. App. 1990)             | Washington |
| 76. | <u>In Re: Estate of Foster</u><br>779 P.2d 272 (Wash. App. 1989)                | Washington |
| 77. | <u>Kisor v. Johns-Manville Corp.</u><br>783 F.2d 1337 (9th Cir. 1986)           | Washington |
| 78. | <u>Lockwood v. AC&amp;S, Inc.</u><br>722 P.2d 826 (Wash. App. 1986)             | Washington |
| 79. | <u>Reichelt v. Johns-Manville Corp.</u><br>733 P.2d 530 (Wash. 1987)            | Washington |



IV

**SOPHISTICATED USER DEFENSE \***

Listed below are case citations that have addressed directly or indirectly the "sophisticated user defense":

<u>CASE CITE</u>	<u>STATE</u>
1. <u>Martinez v. Dixie Carriers, Inc.</u> , 529 F.2d 457 (5th Cir. 1976) (applying admiralty law).....	Admiralty
2. <u>Littlehale v. E.I. DuPont de Nemours &amp; Co.</u> , 268 F. Supp. 791 (S.D.N.Y. 1966) (applying admiralty law) .....	Admiralty
3. <u>McKay v. Rockwell International Corp.</u> , 704 F.2d 444 (9th Cir. 1983) (applying admiralty law), cert. denied, 464 U.S. 1043 (1984) .....	Admiralty
4. <u>Cook v. Branick Mfg.</u> , 736 F.2d 1442 (11th Cir. 1984) .....	Alabama
5. <u>Haragan v. Union Oil Co.</u> , 312 F. Suppl. 1392 (D.C. Alaska 1970) .....	Alaska
6. <u>Shell Oil Co. v. Gutierrez</u> , 119 Ariz. 426, 581 P.2d 271 (1978) .....	Arizona
7. <u>Hopkins v. Chip-In-Saw, Inc.</u> , 630 F.2d 616 (8th Cir. 1980) .....	Arkansas
8. <u>In Re Related Asbestos Cases</u> , 543 F. Supp. 1142 (N.D. Cal. 1982) .....	California
9. <u>Hall v. Ashland Oil Co.</u> , 625 F. Supp. 1515 (D.C. Conn. 1986) .....	Connecticut

\* DEEP APPRECIATION IS EXPRESSED TO THE LAW FIRM OF MILES & STOCKBRIDGE, BALTIMORE, MARYLAND FOR THEIR ASSISTANCE IN COMPILING THIS INFORMATION

<u>CASE CITE</u>	<u>STATE</u>
10. <u>In re Asbestos Litigation (Mergenthaler)</u> , 542 A.2d 1205 (Del. Supr. 1986) ....	Delaware
11. <u>Russell v. G.A.F. Corp.</u> , 422 A.2d 989 (D.C. App. 1980) .....	D. C.
12. <u>Bryant v. Technical Research Co.</u> , 654 F.2d 1337 (9th Cir. 1981) .....	Idaho
13. <u>Cruz v. Texaco, Inc.</u> , 589 F. Supp. 777 (S.D. Ill. 1984) .....	Illinois
14. <u>Hammond v. North American Asbestos Corp.</u> , 97 Ill. 2d 195, 73 Ill. Dec. 350, 454 N.E. 2d 210 (1983).....	Illinois
15. <u>West v. Broderick &amp; Bascom Rope Co.</u> , 197 N.W. 2d 202 (1972) .....	Iowa
16. <u>Younger v. Dow Corning Corp.</u> , 202 Kan. 674, 451 P.2d 177 (1969) .....	Kansas
17. <u>Bradco Oil &amp; Gas Co. v. Youngstown Sheet &amp; Tube Co.</u> , 532 F.2d 501 (5th Cir.), <u>reh'g denied</u> , 540 F.2d 1084 (5th Cir. 1976), <u>cert. denied</u> , 429 U.S. 1095 (1977) .....	Louisiana
18. <u>Cuthbertson v. Clark Equipment Co.</u> , 448 A.2d 315 (Me. 1982) .....	Maine
19. <u>Higgins v. E.I. DuPont de Nemours &amp; Co.</u> , 671 F. Suppl. 1055 (D. Md. 1987), <u>aff'd</u> , 863 F.2d 1162 (4th Cir. 1988)	Maryland
20. <u>Russo v. Abex Corp.</u> , 670 F. Supp. 206 (E.D. Mich. 1987) .....	Michigan
21. <u>Todalen v. U.S. Chemical Co.</u> , 424 N.W. 2d 73 (Minn. App. 1988) .....	Minnesota
22. <u>Gordon v. Niagara Machine &amp; Tool Works</u> , 574 F.2d 1182 (5th Cir. 1978) .....	Mississippi
23. <u>Griggs v. Firestone Tire &amp; Rubber Co.</u> , 513 F.2d 851 (8th Cir. 1975) .....	Missouri

<u>CASE CITE</u>	<u>STATE</u>
24. <u>Jacobson v. Colorado Fuel &amp; Iron Corp.</u> , 409 F.2d 1263 (9th Cir. 1969) .....	Montana
25. <u>Strong v. E.I. DuPont de Nemours Co.</u> , 667 F.2d 682 (8th Cir. 1981) .....	Nebraska
26. <u>Whitehead v. St. Joe Lead Co.</u> , 729 F.2d 238 (3d Cir. 1984) .....	New Jersey
27. <u>Seibel v. Symons Corp.</u> , 221 N.W.2d 50 (1974) .....	North Dakota
28. <u>Adams v. Union Carbide Corp.</u> , 737 F.2d 1453 (6th Cir.), cert. denied, 467 U.S. 1062 1984) .....	Ohio
29. <u>Marker v. Universal Oil Prod. Co.</u> , 250 F.2d 603 (10th Cir. 1957) .....	Oklahoma
30. <u>Neal v. Carey Canadian Mines, Ltd.</u> , 548 F. Supp. 357 (E.D. Pa. 1982), aff'd on other grounds sub nom., <u>Van Buskirk v. Carey Canadian Mines, Ltd.</u> , 760 F.2d 481 (3rd Cir. 1985)..	Pennsylvania
31. <u>Whitehead v. Dycho Co., Inc.</u> , 775 S.W. 2d 593, (Tenn. 1989) .....	Tennessee
32. <u>Borel v. Fibreboard Paper Products Corp.</u> , 493 F.2d 1076 (5th Cir. 1973), cert. denied, 419 U.S. 869 (1974) .....	Texas
33. <u>Goodbar v. Whitehead Bros.</u> , 591 F. Supp. 552 (W.D. Va. 1984), aff'd, <u>Beale v. Hardy</u> , 769 F.2d 213 (4th Cir. 1985).	Virginia
34. <u>Minert v. Harsco Corp.</u> , 26 Wash. App. 867, 614 P.2d 686 (1980) .....	Washington

THRESHOLD LIMIT VALUES

While some jurisdictions may require copies of original documentation relating to the Threshold Limit Values the Annals of the American Conference of Industrial Hygienists, Volume 9 (1984)

"...gathers into one volume the first 35 years of recommended threshold limit values adopted by and for the American Conference of Governmental Industrial Hygienists. This volume also contains the values used by the various states at the time when the first threshold limit values (TLV) committee was developing its initial list; the list used by the Defendant Department during World War II; the first major comparison of values developed by a number of states within the U. S. Public health Service Values and the American Standards Association Z-37 Committee recommendations; and a group of selected articles from the literature."

In years past, the following states, at least, adopted by statute or regulation or otherwise the threshold limit value of five million particles per cubic foot (5mppcf):

Connecticut  
Florida  
Iowa  
Maine  
Minnesota  
Nevada  
New Jersey  
New York  
Oregon  
Texas  
Washington  
West Virginia  
Wisconsin  
Michigan  
California

Copies of these states' regulations are generally available through the various states' Department of Industrial Relations or workers compensation.

The threshold limit value of 5 mppcf was also adopted by the United States Government, Department of Labor for certain activities. See: Title 29 - Labor, Part 8 - Safety & Health Regulations for Ship Repairing, Federal Register, Volume 25, No. 36 (February 20, 1960). Other adoptions of the threshold limit value were made under the Walsh Healy Act and the Occupational Safety & Health Act often adopted the then existing threshold limit values of the ACGIH when OSHA became effective.

1.	Walsh-Healy standards for 1952				
2.	Portion of Federal Register of				July 17, 1959
3.	"	"	"	"	September 20, 1968
4.	"	"	"	"	January 17, 1969
5.	"	"	"	"	May 20, 1969
6.	"	"	"	"	May 12, 1971
7.	"	"	"	"	May 29, 1971
8.	"	"	"	"	May 29, 1971
9.	"	"	"	"	August 13, 1971
10.	"	"	"	"	August 20, 1971
11.	"	"	"	"	December 7, 1971
12.	"	"	"	"	December 30, 1971
13.	"	"	"	"	January 11, 1972
14.	"	"	"	"	January 12, 1972
15.	"	"	"	"	February 25, 1972
16.	"	"	"	"	June 7, 1972
17.	"	"	"	"	October 9, 1975
18.	"	"	"	"	March 19, 1976
19.	"	"	"	"	November 4, 1983
20.	"	"	"	"	April 10, 1984
21.	"	"	"	"	June 20, 1986
22.	"	"	"	"	October 17, 1986
23.	"	"	"	"	April 30, 1987
24.	"	"	"	"	July 20, 1988
25.	"	"	"	"	September 14, 1988

As demonstrated in Lorenz v. Celotex Corp., 896 F.2d 148, (5th Cir., 1990), evidence relating to the TLV's can substantially benefit the defense.

VI

**PLAINTIFFS' "EXPERT" WITNESSES**

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Below are listed various experts that are frequently called by the Plaintiffs. They are divided into the following areas:

1. Physiology
2. Pulmonary Medicine
3. Epidemiology (relating to the risk or fear of contracting cancer and/or the alleged progression of asbestosis)
4. Cancer Causation
5. State-of-the-Art
6. Industrial Hygiene
7. Patents
8. Pathology
9. "B" Reader/Radiologist
10. All purpose (these individuals are tendered as experts in all fields listed above.

After each such "expert" some depositions or transcripts are listed that should assist in preparing to cross examine or trying to bar one of these witnesses.

DR. ALFRED ANGRIST  
State-of-the-Art/Cancer Causation

1. Deposition taken January 11, 1978 at 4:26 P.M., In Re: All Asbestos Cases (Insulator Cases), State of South Carolina, County of Charleston.

2. Video Deposition taken on December 3, 1979 - In Re: Asbestos Cases.

DR. CHARLES WILLIAM AY  
Industrial Hygiene

1. Deposition taken on July 30, 1981 in the case of In Re: Asbestos Cases Consolidated for Discovery - John C. Robinson v. Johns-Manville, et al, in the Superior Court of the State of California, in and for the County of Alameda.

STEPHEN L. BERGER  
Patents

1. Testimony taken on October 31, 1983 in case of John Hannon v. Waterman Steamship Corporation, et al, in the United States District Court, Eastern District of Louisiana.

2. Deposition taken November 11, 1985 in case of William J. Kornegay v. Johns-Manville, et al, in the United States District Court for the Southern District of Texas, Galveston Division.

DR. BERTRAM CARNOW  
All Purpose

1. Trial Testimony taken on March 27, 1978 in case of Bennie Barnett, Administrator of the Estate of Luther Barnett v. Johns-Manville, et al, in the Court of Common Pleas, State of South Carolina, County of Greenville.

2. Deposition taken on October 31, 1984 in case of K. Kelly O'Connell, etc. v. Keene Corporation, et al, in the United States District Court, Northern District of Illinois, Eastern Division.

3. Trial Testimony taken February 22, 1973 in case of City of Chicago v. Commonwealth Edison.

4. Deposition taken In Re: Asbestos Cases, State of South Carolina, Court of Common Pleas, Greenville County on March 16-17, 1978.

5. Videotaped deposition taken on July 29, 1980 in the United States District Court for the Eastern District of Pennsylvania cases of:

a. Clarence Johnson and Virginia Johnson, his wife v. Bell Asbestos Mines, Ltd., et al

b. James H. Barlieb and Millie Barlieb, his wife v. Bell Asbestos Mines, Ltd., et al

c. Emilio E. Cardamone and Antonette Cardamone, his wife v. Bell Asbestos Mines, Ltd., et al

d. John McFadden and Elizabeth McFadden, his wife v. Bell Asbestos Mines, Ltd., et al



e. Victoria Amento, Administratrix of the Estate of Joseph Amento, Deceased v. Bell Asbestos Mines, Ltd., et al

f. Anthony Giradi and Lucy Giradi, his wife v. Bell Asbestos Mines, Ltd., et al

g. Louis Grabowski and Helen Grabowski, his wife v. Bell Asbestos Mines, Ltd., et al

5. Deposition taken on August 27, 1980 in case of Velma Jeanette, individually and for the use and benefit of the next of kin of Howard M. Jeanette, Deceased v. Johns-Manville, et al, in the Circuit Court for Davidson County, Tennessee

BARRY IRA CASTLEMAN  
State-of-the-Art/"Corporate Knowledge"

1. Trial Testimony taken August 29, 1979 in case of Van Harville and Calvin Tillman, individually and in behalf of all others similarly situated v. Johns-Manville, et al, in the United States District Court for the Southern District of Alabama, Southern Division.

2. Deposition taken on January 7, 1985 in case of James Good, et al v. Johns-Manville, et al, in the United States District Court for the District of Maryland.

3. Deposition taken on April 9, 1985 in case of Clarence J. Wilson v. Johns-Manville, et al, in the United States District Court for the Southern District of Texas, Galveston Division.

4. Trial Testimony taken on March 18, 1986 in case of Wanda Jenkins v. Raymark Industries, et al, in the United States District Court for the Eastern District of Texas, Marshall Division.

5. Trial Testimony taken on March 19, 1986 in case of Wanda Jenkins v. Raymark Industries, et al, in the United States District Court for the Eastern District of Texas, Marshall Division.

6. Trial Testimony taken on March 20, 1986 in case of Wanda Jenkins v. Raymark Industries, et al, in the United States District Court for the Eastern District of Texas, Marshall Division.

7. Trial Testimony taken on March 21, 1986 in case of Wanda Jenkins v. Raymark Industries, et al, in the United States District Court for the Eastern District of Texas, Marshall Division.

8. Trial Testimony taken on March 24, 1986 in case of Wanda Jenkins v. Raymark Industries, et al, in the United States District Court for the Eastern District of Texas, Marshall Division.

9. Trial Testimony taken on March 25, 1986 in case of Wanda Jenkins v. Raymark Industries, et al, in the United States District Court for the Eastern District of Texas, Marshall Division.

10. Deposition taken on April 17, 1986 (Volume 1) in case of Joseph L. Reese, et al v. Fibreboard Corp., et al, in the Superior Court of the State of California, in and for the County of Alameda.

11. Deposition taken on July 9-10, 1986 in the case of James Ardis, et al v. Armstrong World, et al, in the United States District Court for the Southern District of Alabama, Southern Division.

12. Court Testimony taken on October 28, 1986 in the case of Phillip R. Wells and Shirley Wells, husband and wife v. Armstrong World, et al, in the Circuit Court in and for Escambia County, Florida.

13. Deposition taken on August 21, 1987 in case of Sara Jean Tornes, Executrix of the Estate of Joseph Paul Tornes v. Armstrong World, et al, in the Circuit Court of Wood County, West Virginia.

14. Deposition taken on July 5, 6 and 7, 1989 in Oklahoma Tireworker Cases

15. Deposition taken on February 9, 1989 In Re: Baltimore County Personal Injury Cases, Asbestos Cases, in the Circuit Court for Baltimore County, Maryland

KENNETH S. COHEN  
Industrial Hygiene

1. Deposition taken on August 6, 1986 in the case of Walter Allen Hudspeth, et al v. Armstrong World, et al, in the United States District Court for the Southern District of Alabama, Southern Division.

2. Deposition taken on March 9, 1987 (Volume I) in case of Van Harville, et al, (and related cases), et al, Sherman Sanks, Leo Cain and James W. Stanford v. Johns-Manville, et al, in the United States District Court for the Southern District of Alabama, Southern Division.

3. Deposition taken on March 10, 1987 (Volume II) in the case of Van Harville, et al, (and related cases), et al, Sherman Sanks, Leo Cain and James W. Stanford v. Johns-Manville, et al, in the United States District Court for the Southern District of Alabama, Southern Division.

4. Deposition taken on September 1, 1987 in the case of Barnie Willcutt v. Armstrong World, et al, in the Circuit Court of Mobile County, Alabama.

DR. ERIC COMSTOCK  
All Purpose

1. Deposition taken in the case of John Chandler, et al v. Johns-Manville, et al, in the District Court of the United States for the Eastern District of Texas, Marshall Division on October 1, 1984

2. Excerpt of proceedings taken on July 11, 1985 in the case of Billy Joe Alford, et al v. Johns-Manville, et al, in the United States Court, Southern District of Texas, Laredo Division

3. Trial testimony taken on March 25-27, 1986 in case of Wanda Jenkins, et al v. Raymark Industries, Inc., et al, in the United States District Court for the Eastern District of Texas, Marshall Division

4. Deposition taken on May 16, 1988 in case of Dan Morris Phillips v. Fibreboard Corporation, et al, Eastern District of Texas, Marshall Division

5. Deposition taken on June 1, 1988 in case of Lloyd King, et ux v. Raymark Industries, et al, Eastern District of Texas, Marshall Division, Vol. I

6. Deposition taken on July 11, 1988 in case of Lloyd King, et ux v. Raymark Industries, et al, Eastern District of Texas, Marshall Division, Vol. II

DR. SUSAN DAUM

Physiology/Pulmonary Medicine/Risk of Cancer,  
Fear of Cancer, Progression, Epidemiology/Cancer  
Causation/State-of-the-Art

1. Deposition taken on January 11, 1982 in the United States District Court for the District of Connecticut In Re: General Dynamics Asbestos Cases, CML No. 1

2. Trial testimony taken in case of James F. Morency v. Johns-Manville, et al, CML #1, in the United States District Court for the District of Connecticut on May 10-11, 1983

3. Court testimony taken on March 14-15, 1983 in case of Georgette R. Brady, as Representative of the Estate of Frank G. Brady v. Johns-Manville, et al v. United States of America, et al, in the United States District Court of Rhode Island

4. Trial testimony taken on November 2, 1988 in case of Lucille Killian, Representative of the Estate of Sutton Knuckles v. Eagle-Picher, et al, in the Circuit Court, City of Baltimore, Maryland

DOUGLAS P. FOWLER  
Industrial Hygiene

1. Deposition taken on June 5, 1984 in case of Dorothy St. Jacques, et al v. Johns-Manville, et al, in the Superior Court of the State of California for the County of Los Angeles

DR. GARY FRIEDMAN

All Purpose (except Industrial hygiene, patents)

1. Deposition taken on October 25, 1984 in case of Joseph Capelio, et ux v. Fibreboard, et al, in the United States District Court, Eastern District of Texas, Beaumont Division

2. Deposition taken on January 14, 1986 in case of The Corporation of Mercer University v. National Gypsum Company, et al, in the United States District Court for the Middle District of Georgia, Macon Division

3. Deposition taken on January 27, 1986 in case of The Corporation of Mercer University v. National Gypsum Company, et al, in the United States District Court for the Middle District of Georgia, Macon Division

4. Trial testimony taken on April 17, 1985 in case of Clarence J. Wilson, et al v. Johns-Manville, et al, in the United States District Court for the Southern District of Texas, Galveston Division

5. Testimony taken on November 13, 1986 in case of Israel R. Esparza, Sr. and Marvela Esparza; Israel R. Esparza, Jr. and Ida Esparza v. Raymark Industries, et al, in the United States District Court, Southern District of Texas, Corpus Christi Division

6. Deposition taken on February 10, 1987 in case of Richard M. Koctar, et ux v. Raymark, et al, in the United States District Court for the Southern District of Texas, Houston Division

DR. EDWIN HOLSTEIN

All Purpose except patents (usually not State-of-the-Art or Industrial Hygiene)

1. Testimony taken on May 27, 1982 in case of Oscar Parson, et al v. Amatex, et al, in the District Court, Fourth Judicial District, State of Minnesota, County of Hennepin

2. Deposition taken on August 30, 1983 in the United States District Court, District of Rhode Island in case of Carl Anderson, et al v. OCF, et al

3. Court testimony in case of Leonard H. Pickett, Sr., et ux v. Johns-Manville, et al, in the Circuit Court, Fourth Judicial Circuit, in and for Duval County, Florida on June 8, 1983

4. Court testimony in case of Parson v. Amatex, in the District Court, Fourth Judicial District, State of Minnesota, County of Hennepin on May 25, 1982

DR. ELLIOT KAGAN

Pulmonary, Physiology, Epidemiology

1. Trial testimony taken on April 19, 1989 In Re: Asbestos Cases, in the Circuit Court of Kanawha County, West Virginia

DR. KAYE KILBURN

Pulmonary, Physiology, Epidemiology  
(occasionally State-of-the-Art)

1. Deposition taken on November 2, 1978 in case of Chris Bolten and Gertrude Bolten v. Philip Carey Manufacturing Corporation, et al, in the Circuit Court of Jackson County, Missouri

2. Court testimony taken on January 8, 1979 in case of Chris Bolten, et al v. Standard Asbestos Manufacturing and Insulating Company and The Keene Corporation, in the Circuit Court of Jackson County, Missouri, Sixteenth Judicial Circuit

3. Deposition taken on April 16, 1981 in case of Louis Joseph Arceneaux v. Johns-Manville, et al, in the Superior Court of the State of California, for the County of Los Angeles and Rosalino Directo v. Johns-Manville, et al, in the Superior Court of the State of California, for the County of Los Angeles

4. Deposition taken on December 29, 1986 in the case of Van Harville, et al (and related cases), in the United States District Court for the Southern District of Alabama, Southern Division

5. Court testimony taken on October 21, 1988 in case of Petty, et al v. Armstrong World Industries Inc., et al, in the United States District Court for the Southern District of Alabama, Southern Division.

DR. STEPHEN M. LEVIN

Physiology/Pulmonary Medicine/Risk of Cancer,  
Fear of Cancer, Progression, Epidemiology

1. Deposition taken of March 25, 1983 in the United States District Court for the Middle District of Tennessee, Nashville Division in the case of Lelia E. Richardson, etc., et al v. Johns-Manville, et al.

2. Deposition with exhibits taken on September 9, 1983 in case of L. T. Chapin v. Celotex Corporation, et al, in the United States District Court for the Southern District of Mississippi, Southern Division.

3. Trial Testimony taken on February 20, 1985 in the case of County of Anderson, Tennessee, Acting By and Through the Board of Education and Superintendent of Schools v. United States Gypsum Company, National Gypsum Company.

4. Trial testimony taken on April 25-26, 1989 In Re: Asbestos Cases, in the Circuit Court of Kanawha County, West Virginia

DR. THOMAS MANCUSO

State-of-the-Art/Industrial Hygiene/Risk of Cancer,  
Fear of Cancer, Progression, Epidemiology

1. Deposition taken on September 1, 1983 and September 2, 1983 in the Federal Building, United States District Courtroom, Main Street, City of Biloxi, County of Harrison, State of Mississippi - Vols. I and II.

2. Deposition taken on October 4, 1984 in case of John T. Dubbs, Sr. v. Consolidated Rail Corporation and Penn Central Corporation (Original Defendants) v. Anchor Packing Company, et al (Additional Defendants) v. Raymark Industries, et al (Additional Defendants) v. McCord Gasket Corporation, et al (Additional Defendants) v. GAF Corporation (Additional Defendants), in the Court of Common Pleas of Allegheny County, Pennsylvania, Civil Division and other related cases.

3. Trial Testimony taken on November 13, 1986 in case of Wendell H. Williams v. Celotex, et al, in the United States District Court for the Southern District of West Virginia, at Huntington.

4. March 5, 1987, Casper Wilson, et al v. Owens-Corning Fiberglas Corporation, et al, in the United States District Court for the Western District of Tennessee, Western Division.

5. Trial testimony taken on June 29-30, 1988 in case of Wilford Atkins v. OCF, et al, in the United States District Court for the Western District of Tennessee, Western Division

6. Trial testimony taken on January 9, 1988 in case of Reitas W. Hines v. The Celotex Corporation, et al, in the Circuit Court in and for Escambia County, Florida

EUGENE JEROME MARK  
Pathology

1. Deposition taken on October 10, 1986 in cases of Cecile Herrick, Personal Representative of the Estate of Edwin Herrick, deceased v. Armstrong World, et al and Joseph Goodman, et al v. Armstrong World, et al, in the Circuit Court in and for Dade County, Florida.

2. Deposition taken on May 24, 1988 in case of Raymond E. Lowell v. Celotex, et al, in the Circuit Court of Escambia County, Florida.

DR. WILLIAM T. ELLIOTT McCAUGHEY  
Pathology

1. Court Testimony in case of Oscar Parson and Connie Parson v. Amatex, et al on May 25, 1982 in the United States District Court, Fourth Judicial District, Hennepin County, Minnesota.

2. Excerpt of testimony from trial in case of Charles Blanton and Goldie Smith Blanton, as Executrix of the Estate of Charles Blanton v. Johns-Manville, et al, May 6, 1982.

3. Trial Testimony taken on February 21, 1985 in the case of County of Anderson, Tennessee, Acting by and through its Head of Education and Superintendent of Schools v. United States Gypsum Company and National Gypsum Company, in the United States District Court, for the Eastern District of Tennessee, Northern Division.

4. Deposition taken on November 14, 1989 in case of Claude Cimino, et ux v. Raymark Industries, Inc., et al, in the United States District Court for the Eastern District of Texas, Beaumont Division

WILLIAM J. NICHOLSON  
Industrial Hygiene/Epidemiology

1. Deposition taken on August 31, 1973 in the case of United States of America v. Reserve Mining Company, in the United States District Court, District of Minnesota, Fourth Division.

2. Deposition taken on November 25, 1985 in case of South Euclid/Lyndhurst School District Board of Education v. Armstrong World Industries, et al, in the Court of Common Pleas, Cuyahoga County, Ohio.

3. Trial Testimony taken on September 4, 1973 in case of United States of America, et al v. Reserve Mining Company, et al, in the United States District Court, District of Minnesota, Fifth Division.

4. Trial testimony taken on October 27, 1988 in case of Lucille Killian, Representative of the Estate of Sutton Knuckles v. Eagle-Picher, et al, in the Circuit Court, City of Baltimore, Maryland

5. Deposition taken on January 9, 1990 in the following cases:

a. City of Boston, et al v. Keene Corporation, in the Court, Commonwealth of Massachusetts

b. State of Maryland v. Keene Corporation, et al, in the Circuit Court for the State of Maryland, for Anne Arundel County

6. Deposition taken on March 5, 1990 in the case of City of Boston, et al v. Keene Corporation, Superior Court, Commonwealth of Massachusetts

DR. DAVID OZONOFF  
State-of-the-Art/Epidemiology

1. Deposition taken on January 26, 1981 In Re: Asbestos Cases, in the United States District Court, Southern District of Georgia, Augusta Division.

2. Deposition taken on April 13, 1981 In Re: Discovery Deposition Asbestos Related Cases.

3. Deposition taken on August 15-16, 1983 In Re: Discovery Deposition, Asbestos-Related Cases, taken in Kiawah Island, Charleston, South Carolina.



4. Deposition taken on January 21, 1985 in cases of County of Anderson, Tennessee v. United States Gypsum Company, in the United States District Court for the Eastern District of Tennessee, Northern Division.

5. Deposition taken in case of John Pine and Adelphina Pine v. Johns-Manville, et al, in the United States District Court for the District of Connecticut on January 23, 1985 - deposition taken at 1:35 P. M.

6. Trial Testimony taken on February 20, 1985 in case of County of Anderson, Tennessee, Acting by and through the Board of Education and Superintendent of Schools v. United States Gypsum Company, National Gypsum Company, in the United States District Court, in and for the Eastern District of Tennessee, Northern Division.

7. Trial Testimony taken on May 21, 1985 in the case of Julian Paul Wammack v. National Gypsum, in the United States District Court for the Southern District of Georgia, Savannah Division.

8. Court testimony taken on April 21, 1989 in the case of In Re: Asbestos Cases, in the Circuit Court of Kanawha County, West Virginia.

DR. GERRIT W. H. SCHEPERS  
All Purpose

1. Trial Testimony in case of Paullo v. Koppers Company, Inc., December 3-4, 1975.

2. Deposition taken on May 12, 1979 In Re: Asbestosis Cases, in the United States District for the Southern District of Georgia, Augusta Division.

3. Court testimony taken on August 31, 1979 in case of Van Harville v. J-M, in the United States District Court for the Southern District of Alabama, Southern Division.

4. Court testimony taken on November 13, 1979 in Walker Oman case in Norfolk, Virginia.

5. Deposition taken on November 16, 1979 in case of In Re: Asbestosis Cases, in the United States District Court for the District of South Carolina.

6. Excerpt of trial proceedings in case of Thurman C. Campbell v. Armstrong Cork, in the United States District Court, District of South Carolina, Charleston Division on February 13, 1980.

7. Court testimony taken on July 13, 1981 in case of Elizabeth Rotondo, Executrix of the Estate of Emillo E. Cardamone, Deceased v. Bell Asbestos Mines Ltd., in the United States District Court for the Eastern District of Pennsylvania.

8. Court testimony taken on November 3, 1981 in case of Margaret Austin, Administratrix of the Estate of Blaine Austin, Deceased v. Johns-Manville, et al, in the United States District Court, District of Maine.

9. Court transcript of testimony - April 13, 1982 in case of Carol Louise Tuten, as personal representative and widow of James W. Tuten, deceased v. J-M, in the Circuit Court of the Fourth Judicial Circuit, in and for Duval County, Florida.

10. Deposition taken on May 20, 1982 in case of Elmer Lee Cathey, et ux v. J-M, in the District Court of the United States for the Middle District of Tennessee, Nashville Division.

11. Court testimony taken on July 28, 1982 in case of James T. Oman, Fred R. Walker, Hugh V. Reynolds and Willie A. Gibbons v. Johns-Manville, et al, in the United States Court for the Eastern District of Virginia, Norfolk and Newport News Divisions.

12. Court testimony taken on January 7, 1983 in case of Nicholas J. Aumiller v. Johns-Manville, et al, in the United States District Court for the District of Maryland.

13. Trial testimony in case of Maryann Del Rossi, etc. v. Raymark, in the Circuit Court of Common Pleas, First Judicial District of Pennsylvania, Civil Trial Division, Day I, on July 5, 1983.

14. Videotape deposition taken August 29, 1983 in the United States Bankruptcy Court for the Northern District of California, Division 3, Morris Aaron v. J-M (And all related actions).

15. Trial testimony taken in case of County of Anderson, Tennessee, Acting by and through the Board of Education and Superintendent of Schools v. United States Gypsum Company, National Gypsum Company, taken on February 22, 1985 in the United States District Court, in and for the Eastern District of Tennessee, Northern Division.

16. Trial testimony in case of Leo Santa Maria v. Owens-Illinois, in the United States District Court, State of Massachusetts, on March 25, 1985.

17. Trial testimony on April 24, 1985 in case of Clarence J. Wilson v. J-M, in the United States District Court for the Southern District of Texas, Galveston Division.

18. Court testimony taken on May 21, 1985 in case of Julian Paul Wammack v. National Gypsum, in the United States District Court for the Southern District of Georgia, Savannah Division.

19. Court testimony taken in trial of Patricia J. Ferreira, etc. v. J-M, in the Circuit Court of First Circuit, State of Hawaii on:

- a. September 8, 1986
- b. September 9, 1986
- c. September 10, 1986

20. Testimony taken in case of Casper Wilson, Sr., et al v. Owens-Corning Fiberglas, et al, March 9, 1987 in the United States District Court for the Western District of Tennessee, Western Division.

21. Deposition taken on March 31, 1987 in case of Lawrence Candusso and Marlene Candusso, his wife v. Keene Building Products Corporation, et al, in the Court of Common Pleas of Allegheny County, Pennsylvania.

22. Deposition taken on January 4, 1990 In Re: Asbestos cases, in the Circuit Court of Pleasants County, West Virginia

DR. KENNETH WALLACE SMITH  
State-of-the-Art

1. Deposition taken April 21, 1976 in the Jefferson Circuit Court, Common Pleas Branch, Seventh Division, The Louisville Trust Company, etc. v. Johns-Manville, et al.

2. Deposition taken on January 13, 1976 in case of James Roy DeRocco and Andrew V. Carollo v. Forty-Eight Insulation, Inc., et al (Original Defendants) v. Wheeling-Pittsburgh Steel Corporation, et al (Additional Defendants) v. Unarco Industries, Inc., et al (Additional Defendants), in the Court of Common Pleas of Allegheny County, Pennsylvania, Civil Division.

DR. CHARLES F. TATE, JR.

Physiology/Pulmonary Medicine/Risk of Cancer,  
Fear of Cancer, Progression, Epidemiology/Cancer Causation

1. Deposition taken on March 29, 1979 In Re: Asbestos Cases in the United States District Court for the District of South Carolina, Charleston Division.

2. Deposition taken on April 8, 1982 in the case of Carol Louise Tuten, the personal representative and widow of James W. Tuten, Sr., Deceased v. Johns-Manville, et al in the Circuit Court of the Fourth Judicial Circuit in and for Duval County, Florida.

3. Deposition taken on February 3, 1986 (Volume I) in the case of Charles Ridling, et al v. Armstrong World, et al, in the United States District Court for the Southern District of Alabama, Southern Division.

4. Deposition taken on May 24, 1990 in case of John Thomaston v. Armstrong World Industries, Inc., et al, in the United States District Court for the Southern District of Alabama, Southern Division

DR. JOSEPH K. WAGONER

State-of-the-Art/Epidemiology/Cancer Causation

1. Deposition taken on September 16, 1973 in case of United States of America, et al v. Reserve Mining Company, et al, in the United States District Court, District of Minnesota, Fifth Division.

2. Trial testimony taken on September 16, 1973 in case of United States of America, et al v. Reserve Mining Company, et al, in the United States District Court, District of Minnesota, Fifth Division.

3. Deposition taken on September 3, 1975 in the United States District Court for the Eastern District of Texas, Tyler Division in the case of Herman Yandle, et al v. PPG Industries, Inc., et al.

4. Deposition taken December 22, 1975 in the case of Eveleyn Roderman v. Combustion Engineering et al, in the U. S. District Court for the Northern District of Ohio, Eastern Division.

5. Deposition taken on December 1, 1981 in case of James S. Farmer, et al v. The Celotex Corporation, et al in the U. S. District Court for the Southern District of Georgia, Savannah Division.

6. Deposition taken on August 13, 1982 in the United States District Court for the Eastern District of Texas, Tyler Division in the case of Norman Neal v. Fibreboard Corporation, et al.

7. Court testimony taken on December 12, 1983 in case of Patrick R. Hosley and Lorraine Hosley v. Armstrong Cork Company, et al, State of Minnesota, County of Hennepin.

8. Deposition taken on February 13, 1984 in the United State District Court for the Southern District of Georgia, Brunswick Division in the case of Hazel Grimes, etc. v. Johns-Manville, et al.

9. Volume I of deposition taken on June 11, 1984 in California case of Hardin Estelle v. Fibreboard Corporation, et al.

10. Volume II of deposition taken on June 12, 1984 in California case of Hardin Estelle v. Fibreboard Corporation, et al.

11. Deposition taken on June 26, 1984 in Oakland, California in case of Tommie Cotton v. Fibreboard, et al.

12. Court testimony taken on April 22, 1985 in case of Clarence J. Wilson, et al v. Johns-Manville, et al, in the United States District Court for the Southern District of Texas, Galveston Division.

13. Deposition taken on February 26, 1986 in case of South Euclid-Lyndhurst v. Armstrong World, in the Court of Common Pleas in Ohio litigation.

14. Cross examination taken in case of Gatto (no date) by Lou Woolf in Knoxville, Tennessee

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Simply because an individual is listed above does not mean that his or her qualifications as an "expert" should not be challenged. In fact, several, if not all, of the above individuals have been challenged at some point and on occasion the challenge has been sustained, at least in part (especially Castleman and Wagoner). This compilation is neither exhaustive as to "experts" relied on by Plaintiffs nor as to the list of depositions following each "expert".

VII

MEDICAL TERMINOLOGY

Below are various medical abbreviations and terms that one frequently encounters in reading a Plaintiff's medical records or reviewing literature. This material has been used for many years and unfortunately, the identity of the author or authors is unknown, otherwise credit would be given where credit is due.

It is hoped that these lists will be of value, however, an attorney should have a consulting medical specialist(s) available to discuss any new or unusual medical situations that arise in particular cases.

A. Medical Abbreviations:

<u>ABBREVIATIONS</u>	<u>MEANING</u>
a. ....	artery
A .....	area, anterior
Ab., ab .....	abortion, antibody
abd. ....	abdomen, abdominal
ABGs .....	arterial blood gases
ABP .....	arterial blood pressure
abs .....	absent
a.c. ....	before meals
acc. ....	accident
accom. ....	accommodation
ad lib .....	as desired
adm. ....	admission
ADT .....	a placebo

A/J .....	ankle jerk
alc., alcho .....	alcohol
amb. ....	ambulatory
ann. fib. ....	annulus fibrosus
ant. ....	anterior
A. P. ....	anterior and posterior
aq. ....	water
art. ....	artery, arterial
Ax. ....	axilla, axillary
B. ....	bath
Bab. ....	Babinski sign
Bas. ....	basal, basilar
BPH .....	benign prostatic hypertrophy
b.i.d. ....	twice a day
BRP .....	bathroom privileges
B.S. ....	breath sounds
bx .....	biopsy
$\bar{c}$ .....	with
C. ....	centigrade
C-I-XII .....	1st to 12th cranial nerve
Ca .....	cancer or carcinoma
ca. ....	about
card. ....	cardiac
CBC .....	complete blood count
cc, c.c. ....	cubic centimeters
C.C. ....	chief complaint
C.D. ....	contagious disease

C.E. ....	cardiac enlargement
Cerv. ....	cervix or cervical
cf. ....	compare
CHF ....	chronic heart failure
cm. ....	centimeter
comm. ....	communicable
CNS ....	central nervous system
Coc. ....	coccygeal
comp. ....	compound, compress
cons. ....	consultation
COPD ....	chronic obstructive pulmonary disease
CR ....	cardiorespiratory system
cran. ....	cranial
Cr. Ns. ....	cerebrospinal fluid
C-V ....	cardiovascular
CVA ....	costo-vertebral angle
CVA ....	cerebrovascular accident
dehyd ....	dehydrated
depr. ....	depressed
decr. ....	decrease, decreased
dist. ....	distal
DOA ....	dead on arrival
DOE ....	dyspnea on exertion
Dors. ....	dorsal
D.P. ....	pulse
DTR's ....	deep tendon reflexes
dx, Dx ....	diagnosis



dz. ....	disease
ECG .....	electrocardiogram
EEG .....	electroencephalogram
EGD .....	esophagogastroduodenoscopy
EKG .....	electrocardiogram
elev. ....	elevated
En. ....	enema
ess. ....	essentially
excess. ....	excessive
ext. ....	external
extr. ....	extremities, extremity
extens. ....	extension, extensor
F. ....	finger(s)
F. ....	female or father
F. ....	fahrenheit
fem. ....	femoral, femur
F.H. ....	family history
flac. ....	flaccid
flex. ....	flexor, flexion
fl. ....	fluids
Fr., Frx., Fx. or frac. ....	fracture
gt., gtt. ....	drop, drops
h. ....	hour
H. ....	hypodermic
H & C .....	hot and cold
H & P .....	history and physical
HBP .....	high blood pressure

hern. ....	herniated
hg. or hbg. ....	hemoglobin
hist. ....	history
H.S. or h.s. ....	hour of sleep
Ht. ....	height or heart
hx, Hx ....	history
hyst. ....	hysterectomy or hysteria
i, ii, iii ....	1, 2, 3, etc.
i.d. ....	during the day
I.M. ....	intramuscular (injection)
irreg. ....	irregular
irrig. ....	irrigate, irrigation
I.V. ....	intravenous
i.v. ....	initial visit
IVD ....	intervertebral disc
IVP ....	intravenous pyelogram
IVU ....	intravenous urogram
Jt. ....	joint
K. ....	potassium
K. ....	kidney
KJ ....	knee jerk
KUB ....	kidney, ureter, bladder (x-ray)
L. ....	liver, liter, left, lower, light, lumbar
L & A ....	light and accommodation
lac. ....	laceration
lam. ....	laminectomy

lap. ....	laparotomy
lat. ....	lateral
L.E. ....	lupus erythematosus or lower extremities
lg. ....	leg or large
lig. ....	ligament
L.L.E. ....	left lower extremity
L. lat. ....	left lateral
LOA ....	left occipital anterior
LOP ....	left occipital posterior
L.P. ....	lumbar puncture
L.S. ....	lumbosacral
LSK ....	liver, spleen and kidneys
Lt., Lt. ....	light or left
L.U.E. ....	left upper extremity
lumb. ....	lumbar
l & w ....	living and well
m. ....	minims (1/16th of fluid dram)
M. ....	male or mother
M. ....	meter
max. ....	maximum or maxillary
med. ....	medial
min. ....	minimal or minims
mm. ....	muscles
MN ....	mononuclears
mod. ....	moderate, moderately
monos. ....	monocytes (in blood)

M.S. ....	multiple sclerosis
Ms ....	murmurs
mss ....	massage
M.T. ....	muscles and tendons
multip. ....	multiparous (more than one pregnancy)
musc. ....	muscle, muscles, muscular
n. ....	nerve
N2O ....	nitrous oxide (anesthetic)
NBM ....	nothing by mouth
neg. ....	negative
norm. ....	normal
NPO ....	nothing per mouth
Ns. ....	nerves
N.S. ....	nervous system
noc. ....	night
nullip. ....	nulliparous (no pregnancies)
Occ., occip. ....	occiput, occipital
occas. ....	occasional
OPD ....	out patient department
O.R. ....	operating room
orth. ....	orthopedic
o.v. ....	office visit
PA ....	postero-anterior
P & A ....	percussion and auscultation
palp. ....	palpate, palpated, palpable
Para i ....	has had one pregnancy (para ii, etc.)

p/c, p.c. ....	after meals
P.E. ....	physical examination
PEG ....	pneumoencephalogram
Per. ....	perineal
pen. ....	penicillin
P.F. ....	push fluids
P.H. ....	past history or personal history
P.I. ....	present illness
po ....	per oral (by mouth)
P.O. ....	post-operative
pos. ....	positive
post. ....	posterior
pre-op ....	preoperative
primip. ....	primiparour (first pregnancy, no prior pregnancies)
P.R.N. ....	in dosage, as required, when necessary, as needed
pron. ....	pronator, pronation
prox. ....	proximal
Pt., pt. ....	patient
PE. ....	physical examination
q.q ....	every
q.d ....	every day
q.n ....	every night
q.2.h. ....	every two hours
q.i.d. ....	four times a day
q.n.s. ....	quantity not sufficient

q.s., qs. ....	quantity sufficient
q.v. ....	as much as you wish
R. ....	right or rub
R., (R) ....	rectal (temperature)
rad. ....	radial
RBC ....	red blood cells
rect. ....	rectum, rectal, rectis
rehab. ....	rehabilitation
resp. ....	respiratory, respirations
R/O ....	rule out
RRE ....	round, regular and equal (pupils)
Rt., rt. ....	right
Rx. ....	prescription, prescribe
$\bar{s}$ ....	sine (without)
sens. ....	sensory, sensation
skel. ....	skeletal
sibs. ....	siblings
sig. ....	take (on prescription)
sl. ....	slight, slightly
SLR ....	straight-leg raising (test)
SOB ....	shortness of breath
S.O.S. ....	when necessary
sp. ....	spine, spinal
sp. cd. ....	spinal cord
spec. ....	specimen
sp. fl. ....	spinal fluid
spg. ....	sponge

spin. ....	spine, spinal, spionous
ss .....	one-half
s.s. ....	soap suds
SSE .....	soap suds enema
stat. ....	immediately, at once
stom., st. ....	serological test for syphilis
subcut .....	subcutaneous
sup. ....	superior
supin. ....	supination
surg. ....	surgery
sys. ....	system
T. ....	temperature
T & A .....	tonsillectomy and adenoidectomy
tab. ....	tablet
T.A.T. ....	tetanus antitoxin
thor. ....	thorax, thoracic
thromb. ....	thrombosis
t.i.d. ....	three times a day
TPR .....	temperature, pulse, respiratin
TURP .....	transurethral resection of prostate
uln. ....	ulnar
upper G.I. ....	upper gastrointestinal (as in series of x-rays)
u/o .....	under observation for
Vag. ....	vaginal
VC .....	vital capacity

V.D. ....	venereal disease
VDRL ....	serologic test for venereal disease
vent. ....	ventral
V.I. ....	vaginal irrigation
vol. ....	volume
w.d., WD ....	well developed
wh. ch. ....	white child, wheel chair
w.n., WN ....	well nourished
w.n.l., WNL ....	within normal limits
w.m., WM ....	white male
w.f., WF ....	white female
wt. ....	weight, weigh
x ....	times



B. Approximate Equivalents:

4 cc .....	.....	1 tsp.
30 cc .....	1 oz. ....	2 tbsp.
240 cc .....	8 oz. ....	1 glass
500 cc .....	16 oz. ....	1 pint
1000 cc .....	32 oz. ....	1 quart

C. Medical Terms:

Prefixes:

- a - (an- before a vowel) - "without, lack of, deficiency"  
- AN/EMIA - not blood
- ad - (af-, an-, ap-, at-) - "to, toward, near" - ADI/DUCT  
- toward/to lead
- ambi - "both" - AMBII/DXTROUS - both/right
- ante - "before, in front of, forward" - ANTE/BRACHIUM -  
fore/arm
- anti - "against" - ANTI/SEPTIC - against/putrid
- bi - "two, double, twice" - BI/CEPS - two/heads
- circum - "around" - CIRCUM/FLEX - around/to bend
- di - "two, double, twice" - DI/GASTRIC - two/belly
- dis - (di-) "apart from, negation" - DIS/LOCATE - apart  
from/place
- dys - "ill, bad, hard, or difficult" - DYS/PEPSIA - bad/  
digestion
- exo - "outside, outer layer" - EXO/SKELTON -  
outer/skeleton
- hemi - "half" - HEMI/PLEGIA - half stroke
- hyper - "over, beyond, excessive" - HYPER/TONIC - over/  
tension
- hypo - "less, under, below" - HYPO/TONIC - less tension
- iso - "equal" - ISO/TONIC - equal tension
- inter - "below, among, between" - INTER/CALATE - between/  
placed
- intra - "within, during" - INTRA/CELLULAR - within cells
- para - "nearby, beside" - PARA/THY/ROID - beside/shield/  
shape
- peri - "around, near" - PERI/CARDIUM - around/heart
- post - "after, behind" - POST/CABA - behind/hollow

pre - (prae-) means "before, in front of" - PRE/CAVA - before/hollow

semi - "half, partly" - SEMI/LUNAR - half moon

sub - "under, less" - SUB/CLAVIAN - under/key

super - "above, excessively, beyond" - SUPER/SONIC - beyond/sound

syn - (sym-) "with, together" - SYN/APSE - together/arch

trans - "through, across, over" - TRANS/ECT - across/to out

agent or person: -or, -ist, -itis - DOCT / OR - teacher/  
person  
ORTHO / PED / IST - straighten/child/  
person  
NEPHR / ITIS - kidney/inflammation

action increase or condition: -ia, -osis - CYAN / OSIS -  
blue/condition

diminutive suffixes - -olus, -cle, -culus, -culum, -cule,  
-ium  
ALVE / OLUS - little cavity  
DIVERTI / CULUM - little by-path

adjectives to express ability: -ible, -able - DIGEST /  
IBLE - capable of being digested  
PALP / ABLE - capable of being felt

adjectives expressing "pertaining to" or "related to" or  
"fitted for": -ac, -al  
CARDI / AC - pertaining to the heart  
REN / AL - pertaining to the kidneys

adjectives ending in -id express a condition:  
MORB / ID - deceased

Chemical endings: -ase for enzymes. (LIPIN - fat).  
Enzyme. LIP / ASE - fat enzyme

D. Stems and Combining Forms:

-algia- - NEUR / ALGIA - nerve/pain  
auto- - AUTO / YSIS - self/splitting  
-bio- - ANTI / BIOTIC - against/life  
brady- - BRADY / CARDIA - slow/heart  
-ectomy - GASTR / ECTOMY - stomach/excision  
macro- - MACRO / SCOPIC - large/to see  
meso- - MESO / MERE - middle part  
micro- - MICRO / SCOPE - small/to see  
neo- - NEO / PLASM - new form  
-oid - ADEN / OID - gland/like  
oligo- - OLIG / UREA - scant/urine  
ortho- - ORTHO / DONTIST - straight/teeth  
pan- - PAN / DEMIC - all people  
poly- - POLY / URIA - many/urine  
pseudo- - PSEUDO - POD - false/foot  
-rhaqia - HEMO / RHAGE - blood/to break forth  
-rhoea - DIA / RRHEA - through/to flo  
-stomy - GASTRO / ENTERO / STOMY - stomach/intestine/  
mouth

E. Prescription Terms:

QH	- every hour
Q4H	- every 4 hours
QID	- 4 times a day
TID	- 3 times a day
BID	- 2 times a day
Non rep	- do not repeat
a. c.	- before meals
p. c.	- after meals
ss	- one half
ml.	- millimeter
p.o.	- by mouth
p.r.n.	- as necessary
gtt	- drop
H.S.	- bedtime
Sig.	- let it be labeled
Rx.	- prescription; take
$\bar{c}$	- with
$\bar{s}$	- without
$\mathfrak{D}$	- dram
$\mathfrak{O}$	- ounce

## VIII

### OTHER ALLEGED CAUSES OF CANCER

Listed below are sources of information providing data of substances other than cigarettes and asbestos that are also alleged to cause certain cancers. This will provide the researcher with a starting point for investigating alternative causes of cancers that are alleged to be associated with asbestos over exposure.

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## IX

### EPIDEMIOLOGY

An understanding of basic epidemiology and a familiarity with case law addressing scientific issues will pay dividends for any attorney. It will play a vital role in fashioning discovery depositions of plaintiff's experts, evidentiary foundations to admissibility of all scientific testimony and presentation of the testimony by the defense expert at trial. Set out below is a basic reading list on epidemiology as well as a list of some of the more useful written opinions that address scientific issues touching upon epidemiology/causation issues.

### EPIDEMIOLOGY TEXTBOOKS

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- Feinstein AR (1988): Scientific standards in epidemiologic studies of the menace of daily life. Science 242:1257-1263

Hill, AB (1965): The environment and disease: association or causation? Proceedings of the Royal Society of Medicine-Section of Occupational Medicine

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Sterling v. Velsicol Chemical Corp., 647 F. Supp. 303, aff'd in part, rev'd in part, 855 F.2d 1188 (6th Cir. 1988)

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Stites v. Sunderstrand Heat Transfer, Inc., 660 F. Supp. 1516 (W.D. Mich. 1987)

Johnston v. United States, 597 F. Supp. 374 (D. Kan. 1984)

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LIST OF PRODUCTS FREQUENTLY ENCOUNTERED

What follows is an attempted compilation of products frequently encountered at various jobsites where exposure to asbestos is claimed. It is believed that the products listed contained asbestos at some point in time based upon various sources of information. Because of the historical nature of this compilation, complete accuracy cannot be guaranteed.

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Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Wallboard, Wallcoverings, Lumber

Ambler Asbestos Shingle & Sheathing Co.	Ambler Asbestos Shingle & Sheathing Co. Resistal		1962-		CY
Atlas Turner, Inc.	Atlas Turner, Inc.	Acedroc	1975-	15%	CY
		Atlas Turner A.P.A.C.	1948-	15%	CY
		Atlas Turner Decorative Board	1964-1976	19%	CY
		Atlas Turner Densite	1948-	13%	CY
		Atlas Turner Shingles/Shakes	1950-1978	12%	CY
		Atlas Turner Tripanel	1956-1982	25%	CY, AH
		Commercial Tile	1977-	16%	CY
		Shadospan	1974-	16%	CY
Bell Asbestos Mines Ltd.	Bell Asbestos Mines Ltd.	Atlas Turner Bipanel	1962-1982	25%	CY, AH
Cape plc	Cape Asbestos Co., Ltd.	Asbestolux			
Celotex Corp.	Celotex Corp.	Carey Firefoit Board And Panel	1940-1960	60%	
		Carey Panel Board	1941-1950	60%	
		Carey Thermo-Bord	1925-1969	20%	
Champion International Corp.	Champion International Corp.	Qasal			
Congoleum Corp.	Congoleum-Nairn, Inc.	Firechek Vinyl Wall Covering	1962-		
Degussa Aktiengesellschaft	Deutsche Gold & Silberscheidea	Degussa			
CAF Corp.	CAF Corp.	Hearth-Glow Brick			

Asbestos  
Type

Mfg. Years

Product Name

Manufacturer

Current Entity

Hallboard, Wallcoverings, Lumber(cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
Grant Wilson Inc.	Grant Wilson Inc.	Fyrex			
Kaiser Cement Corp.	Kaiser Gypsum Co.	Mull-A-Fire	1953-1978	1%	
Manville Corp.	Johns-Manville Corp.	Colorbestos Colorceran	1936-1987	70%	
		Corspan	1907-1976	50%	
		Facespan	1907-1976	50%	
		J-M Ace Stone Asb. Cement Extrusion Prod Kiefstone Rentone	1907-1976	50%	
National Gypsum Co.	National Gypsum Co.	"Asbestone" Asbestos-Cement Wallboard Gold Bond Natcor	1944-1946	15%	
		Gold Bond Natcor Sheathing Humiguard	1944-1946		
		Ripple-Tone Panels			
Porter, H.K. Co.	Porter, H.K. Co., Inc.	Soundgard			
Stress-Plus, Inc.	Stress-Plus, Inc.	Stress-Plus			

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
<u>Wallboard, Wallcoverings, Lumber</u>					
-(cont.)					
T & N plc	Keasbey & Mattison Co.	Labstone Monobestos			
		Nicolet Monobestos Resistal Strytex Trafford Tile			
TBA Industrial Products, Ltd.	Turner Brothers Asbestos Co., Ltd.	Duraform			
<u>Roofing, Shingles, Siding</u>					
Atlantic Asphalt & Asbestos	Atlantic Asphalt & Asbestos	AAA Roofing Triple A Hip & Ridge Shingles Triple A Roofing & Siding			
Atlas Turner, Inc.	Atlas Turner, Inc.	Atlas Turner Clapboard	1966-1974	13%	CY
Bird Inc.	Bird Inc.	Bird 15 Lb. Base Sheet Bird 45 Lb. Base Sheet			
Boise Cascade Corp.	Insulite Co.	Insulite Asbestos Siding Shingles			
Celotex Corp.	Celotex Corp.	Careystone Roofing & Siding Celobric Buff Blend Textured Celobric Insulating Brick Siding Fire-Chex			

(cont.)

Roofing, Shingles, Siding

CertainTeed Corp.      Certain-teed Corp.      Certainteed Asbestos Base Flashing      1968-1976      19%  
 Certainteed Asbestos Cap Sheet      1973-1976      14%

Eternit S.A.      American Insulation Co.      Eternit Asbestos Shingles  
 Mount Vernon Asbestos Shingles

GAF Corp.      Ruberoid Co.      12 Inch American Thatch  
 American Thatch  
 Aristo Siding      Color-Tex  
 Dura-Color      Grain-Tex  
 Panelstone      Shake-Tex  
 Timbertex Shingles

Genstar Corp.      Flintkote Co.      Asbestos Cement Siding & Roofing Shing.      1950-1974      15%  
 FLI Asphalt Saturated Asbestos Felt      1956-1976      65%  
 Flinkote Roofing & Siding

Manville Corp.      Johns-Manville Corp.      Blak-Kap  
 Fire-Glass Seal-O-Matic Roofing Shingles      1907-1979      50%  
 Fire-King Seal-O-Matic Roofing Shingles      1907-1979      50%  
 J-M Asb. Protected Metal Roofing/Siding  
 J-M Asbestoside Exterior Wall Siding  
 J-M Berge Roofing  
 J-M Built-Up Roofing      1907-1976      30%  
 J-M Cedargrain Asbestos-Cement Shingles  
 J-M Colorblende Asbestos Shingles  
 J-M Deepgrain Asbestos-Cement Shingles      1907-1976      30%  
 J-M Durobestos Asbestos-Cement Shingles      1907-1976      30%



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Roofing, Shingles, Siding</u>					
Manville Corp.	Johns-Manville Corp.	J-M FGA Asbestos Asphalt Roofing Shingle	1907-1979	50%	
		J-M Flexbestos Asb. Asph. Roofing Shingle	1907-1979	50%	
		J-M Locomotive Cab Roofing			
		J-M Rock-Shakes Asbestos-Cement Shingles	1907-1976	30%	
		J-M Salem American Asb. Cement Shingles	1907-1976	30%	
		J-M Salem Colonial Asb. Cement Shingles	1907-1976	30%	
		J-M Standard Asbestos Shingles			
		J-M Transit Asbestos Wood Smoke Caps			
		J-M Transit Asbestos Wood Smoke Jacks			
		J-M Trugrain Asbestos-Cement Shingles	1907-1976	30%	
		J-M Trugrain Asbestos-Cement Shingles	1907-1982	50%	
		Splitwood II	1907-1979	50%	
		Townsend Seal-O-Matic Roofing Shingles			
		Transite			
		Western Shade Corrgrain Asb. Cement Shin	1907-1976	30%	
		Flexstone			
			Johns-Manville, H.W. Co.	J-M "Standard" Asbestos Roofing	
National Gypsum Co.	National Gypsum Co.	Asbestone	1954-1981		
		Asbestos Cement Siding Shingles	1953-1981	22%	
		Chromatex Siding Shingles	1954-1968	22%	
		Chromatone Siding Shingles	1954-1968	22%	
		Chromoshake Siding Shingles	1954-1968	22%	
		Classic 32 Siding Shingles	1954-1968	22%	
		Classic Shake Siding Shingles	1954-1968	22%	
		Classic-Shake	1953-1981		
		Deeptex Siding Shingles	1954-1968	22%	
		Dutch Lap Shingle (Gold Bond)	1954-1968	22%	CY,AM
		Gold Bond Asbestos-Cement Siding			
		Hexagonal Shingle (Gold Bond)	1954-1965	22%	CY,AM
		Ranch Style Shingle (Gold Bond)	1956-1969	22%	CY,AM
		Sussex 32 Siding Shingles	1954-1968	22%	
		Woodgrain Siding Shingles	1954-1968	22%	

Roofing, Shingles, Siding

(cont.)

S.A. Fabriques Renies De Fibro Cement

Asbestile

Asbestile

Supradur Cos.

Supradur Mfg. Corp.

Fiber-Shake

1952-

T & N plc

Kearbey & Mattison Co.

K & M Corrugated Board 4" Pitch  
K & M Shake Shingle  
Kearbey & Mattison Biplanel  
Kearbey & Mattison Cavity Deck  
Kearbey & Mattison Insulpanel  
Turnall Building Materials

United States Gypsum Co.

United States Gypsum Co.

Glatex Asbestos Cement Siding  
USG Roofing (Generic)  
USG Siding Shingles (Generic)

1937-1975

1%

15%

Cement Boards/Sheets

Atlas Turner, Inc.

Atlas Turner, Inc.

Atlas Turner Cavity Decking  
Atlas Turner Corrugated 4" Pitch  
Atlas Turner Gus Tank Base  
Atlas Turner Superbestos  
Atlas Turner T Deck  
Atlas Turner Trufford Tile Corr. Sheets  
Superbestos Millboard

1950-

16%

1948-

16%

1959-

16%

1954-

CY, AM

1953-

16%

1948-

16%

1976-

28%

Bell Asbestos Mines Ltd.

Bell Asbestos Mines Ltd.

Cavity Decking

Sheet/Textos



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>(cont.)</u>					
Manville Corp.	Johns-Manville Corp.	Imperial Marinite	1937-1973		
		J-M 3/16" Flexboard		50%	
		J-M Agean Asb. Cement Arch. Panels	1907-1982	70%	CY
		J-M Asbestoboard Asbestos-Cement Sheet	1934-1987		
		J-M Asbestos Sheathing	1869-		
		J-M Corrugated Transit	1930-1982	35%	
		J-M Electrobestos Asbestos-Cement Sheet	1934-1987	70%	
		J-M Marine Accoustical Unit Board	1941-1978	33%	CY
		J-M Marine Veneer	1938-1985	51%	CY
		J-M Pallite	1937-1973	50%	AM
		J-M Reeferite	1950-1974	37%	CY
		J-M Santone Asb. Cement Arch. Panels	1907-1982	50%	
		J-M Standard Asbestos Flexboard			
		J-M Stoneherge Asb. Cement Arch. Panel	1907-1982	50%	
		J-M Submarine Bulkhead	1963-1967		
		J-M Thermocore Asb. Cement Arch. Panels	1907-1982	50%	
		J-M Thermostone Asb. Cement Arch. Panels	1907-1982	50%	
		J-M Transifoam Asb. Cement Arch. Panels	1907-1982	50%	
		Marinite 23	1955-1975	27%	AM
		Marinite 30 Board	1949-1970	50%	AM
		Marinite 36	1955-1975	57%	CY,AM
		Marinite 65 Board	1955-1975	70%	CY,AM
		Metal Veneered Marinite	1951-1973	40%	CY,AM
		Transite Acoustical Plaster			
		Transite Core Plate	1938-1985	71%	CY
		Transitop	1907-1982	50%	
		Veneered Marinite	1955-1976	41%	CY
National Gypsum Co.	Dorn Co., R.J. National Gypsum Co.	Asbestone			
		Asbestone Panels	1957-1981	30%	CY,AM
		Corrugated "400"	1954-1981	23%	CY,AM
		Corrugated Bulkheading	1959-1981	30%	CY
		Corrugated Bulkheading Type 10	1963-1974		
		Gold Bowl Asbestos-Cement Formboard			
		Gold Bowl Cement Board			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cement Boards/Sheets</u>					
(cont.)					
National Gypsum Co.	National Gypsum Co.	Gold Bond PermaBoard	1954-1981	22%	CY, AM
		Insul-Best Panels	1958-1960	22%	CY, AM
		National Gypsum Pliaboard	1954-1960	45%	CY, AM
		Plasticrylic/Plasti-Clad	1960-1981		
		Pli-a-f-Lex	1960-1981	30%	CY, AM
		Soffit Panels	1959-1981	18%	CY, AM
		Thermotec	1960-1981	30%	CY, AM
		Woodrock (Gold Bond)	1963-1976	24%	CY, AM
Nicolet, Inc.	Nicolet, Inc.	Kolormate Cement Composition Board	1962-		
		Nicolet Norriscell	1939-1959	85%	CY
Porter, H.K. Co.	Porter, H.K. Co.	Porter Lapp	-1972	95%	CY
T & N plc	Keasbey & Mattison Co.	Apac Board			
		Keasbey & Mattison T-Deck			
		Kolormate			
		T-Deck			
Uka Industries, Inc.	Unarco Industries, Inc.	Unarco Board	1958-	15%	AM
<u>Asbestos Paper, Rollboard, Millboard</u>					
Armstrong World Industries, Inc.	Armstrong Cork Co.	Accopac			
Boise Cascade Corp.	Boise Cascade Corp.	BSC White Paper Products	1967-1974		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Asbestos Paper, Rollboard, Millboard

(cont.)

Celotex Corp.	Celotex Corp.	Asbestos Papers & Roll Boards Carey Asbestos Millboard Carey Corrugated Asbestos Paper Carey Duct-Asbestos Insulation S & K Paper	1906-1982 1906-1982 1906-1960 1940-1947	85% 97% 60% 85%	
Certainfeed Corp.	Certain-feed Corp.	Certainfeed Base Sheet	1968-1976	20%	
Empire Ace Insulation Mfg. Corp.	Empire Ace Insulation Mfg. Corp.	Empire Ace Safety Paper	1959-1984	18%	CY
Furon Co.	Sepco Corp.	Sepco Millboard Sepco Paper	1924-1984 1924-1984		
GAF Corp.	GAF Corp.	Asbestos Millboard GAF Asbestos Rollboard GAF Flat And Corrugated Asbestos Paper	1928-1981 1928-1981 1928-1981	95% 40% 95%	CY CY CY
Grant Wilson Inc.	Grant Wilson Inc.	Grant Wilson Asbestos Paper-Fyrex Paper Wilson Asbestos Millboard Wilson Paper & Rollboard	1935-1982 1935-1982		
Keene Corp.	Keene Corp.	Keene Asbestos Paper			
Manville Corp.	Johns-Manville Corp.	Annaturo Asbestos Paper ARP-40 (Insulating Jacket) Doblex Asbestos Paper Fibroid Asbestos Paper High Strength Fibroid Asbestos Paper J-M 101 Asbestos Millboard (Hard)	1920-1980 1963-1975 1936-1980 1911-1980 1930-1980 1910-1951	97% 60% 80% 95% 88% 78%	CY CY CY CY CY CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Asbestos Paper, Rollboard, Millboard</u> (cont.)					
Manville Corp.	Johns-Manville Corp.	J-M 102 Asbestos Millboard (Medium)	1910-1980	87%	CY
		J-M 103 Asbestos Millboard (Soft)	1910-1951	90%	CY
		J-M 104 Asbestos Millboard	1915-1951	93%	CY
		J-M 105 Asbestos Millboard	1915-1951	93%	CY
		J-M 106 Asbestos Millboard	1918-1980	91%	CY
		J-M 1068 Asbestos Millboard	1918-1980	95%	CY
		J-M 106H Asbestos Millboard	1918-1980	88%	CY
		J-M 16 Lb. Asbestos Paper			
		J-M 219 Asbestos Millboard	1918-1980	87%	CY
		J-M Asbestocel Paper	1902-1931	98%	CY
		J-M Asbestos Millboard			
		J-M Asbestos Millboard (Hard, Med, Soft)	1896-1910		
		J-M Asbestos Roll Board			
		J-M C Asbestos Millboard	1918-1980	68%	CY
		J-M Commercial Grade Asbestos Paper	1929-1980	95%	CY
		J-M Felted Asbestos Sheets No. 838	1891-1983	98%	CY
		J-M Long Fiber Asbestos Paper	1930-1980	99%	CY
		J-M Microbestos Paper	1959-1980	97%	CY
		J-M Non-Burn Asbestos Paper	1900-1980	97%	CY
		J-M Type A Asbestos Millboard	1918-1980	99%	CY
		J-M XXX Asbestos Millboard	1918-1980	75%	CY
		No. 12 Asbestos Paper Tape	1936-1980	95%	CY
		Quinorgo Asbestos Paper			
		Quinorgobord Electrical Insul. Paper/Mil	-1975	95%	
		Quinterra Electrical Insul. Paper/Millbo	-1975	95%	
		Quintexbord Electrical Insul. Paper/Mill	-1975	95%	
Minnesota Mining & Mfg. Co.	Minnesota Mining & Mfg. Co.	3M Sandpaper	1971-1971	1%	
National Gypsum Co.	National Gypsum Co.	Gold Bond Asbestos-Faced Mineral Board	1944-1945		
Nicolet, Inc.	Nicolet Industries, Inc.	Nicolet Asbestos Millboard <sup>2</sup>			
		Nicolet Asbestos Papers No. 010			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Asbestos Paper, Rollboard, Millboard(cont.)

Nicolet, Inc.	Nicolet, Inc.	Asbestos Paper-Rollboard Grade Millboard No. 208	1939-1978 1962-		
		Neon Asbestos Paper	1939-1960		
		Nicobestos No. 210	1939-1974		CY
		Nicobestos No. 218	1939-1974		CY
		Nicobestos No. 220	1939-1974		CY
		Nicobestos No. 222	1939-1974		CY
		Nicolet Asbestos Paper	1960-		CY
		Nicolet Asbestos Paper (Commercial)	1939-		CY
		Nicolet Asbestos Paper-Mfg. Grade	1939-		CY
		Nicolet Dual Liner	1939-		CY
		Nicolet Ductboard	1939-1955		
		Nicolet Elastomeric Gasket Paper	1962-		
		Nicolet Fry-Ex	1939-1974	85%	CY
		Nicolet Household Rolls	1939-		CY
		Nicolet K-Board	1962-1970		
		Nicolet Millboard-Commercial Grade	1939-		
		Nicolet Millboard-High Temperature Grade	1962-		
		Nicolet Millboard-Toaster Grade	1962-1977		CY
		Nicolet Nicolam	1939-1960	85%	CY
		Nicolet Rollboard	1939-1978		
		Nicolet Welding Paper	1939-		CY
		No. 200 Millboard			
		No. 242 Asbestos Millboard			
		No. 801 Millboard (K-Board)	1962-1970		
		Norbestos Fyr-Board	1939-1960		CY
		Saturated Pipe Wrap	1959-	85%	CY

Raymark Industries, Inc. Raymark Industries, Inc.

1958- 100% AM

Spaulding Composites Co. Spaulding Fibre Co.

Spauldite



Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Asbestos Paper, Rollboard, Millboard

(cont.)

T & M plc      Kearsbey & Mattison Co.      Kearsbey & Mattison Millboard      1963-1985      CY

Union Carbide Corp.      Union Carbide Corp.      Calidria      1963-1985      CY

United States Gypsum Co.      United States Gypsum Co.      U.S. Gypsum Asb. Corrugated Paper-M Felt  
USG Asbestos Paper      1936-1939  
1938-1939  
USG Commercial Asbestos Paper      1936-1939

Textiles, Felts, Cloth

Amatex Corp.      Amatex Corp.      Asbestos Cloth      1950-      95%      CY  
Asbestos Lap      1950-      95%      CY  
Asbestos Roving      1950-      95%      CY  
Asbestos Thread      1950-      95%      CY  
Asbestos Tubing      1962-      95%      CY  
Asbestos Yarn      1950-      95%      CY  
Quietline      1967-      95%      CY  
Safecone      1969-      80%      CY  
Thermolan 26      1970-      97%      CY  
Titegrip      1970-      95%      CY

Anchor Packing Co.      Anchor Packing Co.      Ankotex Braided Asbestos Tubing, S. 1560

Armstrong World Industries, Inc.      Armstrong World Industries, Inc.      Hydrocord Flooring Felt      1955-1963

Asten Group, Inc.      Asten Group, Inc.      Bentmesh 94-R  
Synbest 125-G  
Synbest 73-L

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Textiles, felts, Cloth(cont.)

Asten Group, Inc.	Asten Group, Inc.	Thermesh Ventmesh 875-R Ventmesh 975-R Calcot Felts Syncot Felts	1948- 1948- 1948- 1948- 1948-	85% 80% 80% 80% 70%	CY CY CY CY CY
Atlas Turner, Inc.	Atlas Turner, Inc.	Atlas Turner Asbestos Cloth Atlas Turner Asbestos Lagging Atlas Turner Asbestos Lap Atlas Turner Asbestos Roving Atlas Turner Asbestos Yarn	1948- 1948- 1948- 1948- 1948-	85% 80% 80% 80% 70%	CY CY CY CY CY
Beazer East, Inc.	Koppers Co., Inc.	Koppers No. 15 Felt			
Celotex Corp.	Celotex Corp. Philip Carey Mfg. Co.	Carey Asbestos Felts Coated Fiberock Ply-Felt Fiberock Asbestos Felt	1960-1984	85%	
CertainTeed Corp.	Certain-teed Corp.	Certainteed Flexible Trainline	1966-1970		
Dresser Industries, Inc.	Dresser Industries, Inc.	Chromepak G H-W 21-63 H-W 37-55 H-W Chromepak G Lightweight Castable 10 Micacrete 7 Special Mix 21-63 Special Mix 26-63 Special Mix 37-55	1969-1985 1963-1964 1955-1969 1964-1967 1960-1975 1964-1975 1964-1975 1969-1985 1960-1975	1% 30% 10% 1% 10% 30% 30% 1% 10%	

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>(cont.)</u>					
Empire Ace Insulation Mfg. Corp.	Empire Ace Insulation Mfg. Corp.	Empire Ace Package Empire Ace Sponge Felt	1959-	18%	CY
Furon Co.	Sepco Corp.	Sepco Braided Asbestos Tubing Sepco Insulbestos Sepco Insutube Sepco Woven Cloth Sepco Wovenstone A Sepco Wovenstone B	1970-1980 1970-1972 1970-1980 1924-1984 1970-1972 1970-1980	70% 61% 48%	CY CY, AM CY CY, AM CY
GAF Corp.	GAF Corp.	Asbestos Base Felt			
Garlock Inc.	Garlock Packing Co.	Hydraulic Asbestos Fabric & Rubber #532 Hydraulic Asbestos Fabric & Rubber #7904 Hydraulic Asbestos Fabric & Rubber #813 Hydraulic Homog. Fiber & Rubber #7851		65% 65% 65% 65%	
Gentex Corp.	Gentex Corp.	Protective Fabrics			
Grant Wilson Inc.	Grant Wilson Inc.	Wilson Asbestos Fiber	1935-1978		
Greene, Tweed & Co.	Greene, Tweed & Co.	Blue Asbestos Lagging 3845			
Keene Corp.	Keene Corp.	Keene (Baldwin-Ehret-Hill) Mono-K Keene Asbestos Cloth	1964-1968	1%	AM
Manville Corp.	Johns-Manville Corp.	Asbestogard Felt Centurian Base Felt	1907-1979	70%	

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Textiles, Felts, Cloth

(cont.)

Manville Corp.

Johns-Manville Corp.

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
		Centurian Base Felt	1963-1974	20%	AM
		High Temperature Flexible Min-K Blankets	1903-1983	39%	CY
		J-M 101 (1/16, 1/4) Cloth Coated	1903-1983	45%	CY
		J-M 101 (1/32, 3/32) Cloth (Coated)			
		J-M 15 Lb. Asbestos Finishing Felt			
		J-M 88 Cloth (Coated)	1960-1983	58%	CY
		J-M 89 Cloth (Coated)	1955-1983	58%	CY
		J-M 91 Cloth (Coated)	1957-1983	61%	CY
		J-M 95(1/16) Cloth (Coated)	1942-1983	32%	CY
		J-M 95(1/8) Cloth (Coated)	1942-1983	19%	CY
		J-M 96 (1/16) Cloth (Coated)	1942-1983	25%	CY
		J-M 96 (1/8) Cloth (Coated)	1942-1983	18%	CY
		J-M A Grade Asbestos Cloth	1884-1974	90%	CY
		J-M A Grade Asbestos Tubing	1884-1982	90%	CY
		J-M AA Grade Asbestos Cloth	1884-1974	95%	CY
		J-M AA Grade Asbestos Tubing	1884-1982	95%	CY
		J-M AAA Grade Asbestos Cloth	1884-1974	99%	CY
		J-M AAA Grade Asbestos Tubing	1884-1982	99%	CY
		J-M AAAA Grade Asbestos Cloth	1884-1970	100%	CY
		J-M Asb. Sponge Felted Train Pipe Insul.			
		J-M Asbestos And Hair Woven Felt	1891-1900		CY
		J-M Asbestos Corded Sheathing	1887-1900		CY
		J-M Asbestos Felt	1890-1891		CY
		J-M Asbestos Finishing Felts	1907-1979	70%	
		J-M Asbestos Fire Felt	1891-1975	98%	CY
		J-M Asbestos Fire Felt Covering	1891-1975	62%	CY
		J-M Asbestos Fire Felt Locomot. Lagging	1900-1906		CY
		J-M Asbestos Fire Felt Sheet/Block	1903-1975		CY
		J-M Asbestos Hair Felt Covering	1908-1915		CY
		J-M Asbestos Jelly Rolls	1930-1968	90%	CY
		J-M Asbestos Lining And Deadening Felt	1900-1906		CY
		J-M Asbestos Lining Felt	1871-1900		CY
		J-M Asbestos Locomotive Lagging	1884-1900		CY
		J-M Asbestos Pipe Blanket	1898-1960	99%	CY, AM
		J-M Asbestos Roll Fire Felt	1891-1980	99%	CY
		J-M Asbestos Sponge Felt	1890-1961	96%	CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Textiles, Felts, Cloth(cont.)

Manville Corp.	Johns-Manville Corp.	J-M Asbestos Sponge Hair Felt	1893-1903		CY
		J-M Asbestos Turbine Blanket	1951-1977	99%	AM
		J-M Blue Chip Felts Roofing Felt	1907-1979	70%	
		J-M Carinsul (Steel Passenger Car Insul)			
		J-M Cellinite	1910-1973	98%	CY
		J-M Cellamite	1939-1963		CY
		J-M Coated Asbestos Base Felts	1907-1979	70%	
		J-M Commercial Grade Asbestos Cloth	1884-1982	80%	CY
		J-M Commercial Grade Asbestos Tubing	1884-1982	80%	CY
		J-M Nycinsul (Steel Passenger Car Insul)			
		J-M Pan-O-Cel	1924-1959		
		J-M Salamander (Steel Passenger Car Ins)			
		J-M Slater's Felt			
		J-M Thermo-Felt	1931-		CY
		J-M Thermo-mat	1931-1975	96%	CY
		J-M Underwriter's Grade Asbestos Cloth	1884-1974	85%	CY
		J-M Underwriter's Grade Asbestos Tubing	1884-1982	85%	CY
		J-M Unspecified Grade Asbestos Cloth	1871-1875		CY
		J-M Ventsulation Felt	1907-1979	70%	
		J-M White Surface Asbestos Jacket	1931-1971	82%	CY
		JM Asbestos Roofing Felt			
		Min-Klad Blankets	1958-1972	5%	AM
		MX 4851 Aluminized Cloth		75%	CY
		MX 5184 Cloth (Coated)	1971-	65%	CY
		MX 5215 Cloth (Coated)	1971-	69%	CY
		MX 5243 Cloth (Coated)		65%	CY
		MX 5385 Cloth (Coated)		50%	CY
		No. 15 Gold-Line Felt	1891-1973	98%	
		No. 15 Transshield Asphalt Sat. Felt			
		No. 15 Transshield felt			
		Special No. 50 Tar Sat. Felt			
		Standard Flexible Min-K Blankets	1963-1974	20%	AM
		Super Fire Felt	1925-1975	60%	CY
		Thermo Fire Felt	1908-1936		
		Thermowrap Blankets	1951-1975	90%	CY,AM



Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Textiles, Felts, Cloth

(cont.)

North American Asbestos Corp.

North American Asbestos Corp.

Noramite

CR, AM

PACOR Inc.

PACOR Inc.

Pacor Asbestos Cloth

1942-1950

Porter, H.K. Co.

Porter, H.K. Co.

Flamegard  
H.K. Porter Label  
Porter Cloth  
Porter Felt  
Porter Roving  
Porterlag  
Portersite  
Cleangard

1958-1974  
1967-1974  
1964-1970

95% CY  
95% CY  
95% CY  
95% CY  
95% CY  
AM

Porter, H.K. Co., Inc.

Flamegard

Splashgard  
Therm-A-Gard

1967-1974

Weldgard

Raymark Industries, Inc.

Raybestos-Manhattan, Inc.

Glassbestos  
Novabestos  
Pyroid  
Pyrotex felt  
Raymark Blankets  
Raymark Cloth

\* 2

1929-1944  
1929-1982

100% AM  
95% CY

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Textiles, Felts, Cloth

(cont.)

Raymark Industries, Inc.	Raymark Industries, Inc.	Raymark Eleven Thirty-Three	1971-1977	90%	CY
		Raymark Felts	1938-1982	100%	CY
		Raymark Fluorobestos	1955-1982	75%	CY
		Raymark Glassbestos (Cloth)	1940-1982	80%	CY
		Raymark Goldbestos	1959-1970	70%	CY
		Raymark Lap	1935-1981	100%	CY
		Raymark Novabestos (Cloth)	1947-1964	95%	CY
		Raymark Novatex (Cloth)	1967-1982	100%	CY
		Raymark Novatex (Tubing)	1975-1982	100%	CY
		Raymark Novatex (Yarn)	1972-1982	100%	CY
		Raymark Polybestos (Cloth)	1962-1979	85%	CY
		Raymark Rhinobestos (Cloth)	1946-1982	90%	CY
		Raymark Roving	1929-1982	95%	CY
		Raymark Sealsafe (Cloth)	1975-1982	80%	CY
		Raymark Sealsafe (Tubing)	1975-1982	80%	CY
		Raymark Sealsafe (Yarn)	1975-1982	80%	CY
		Raymark Silvabestos (Cloth)	1959-1982	75%	CY
		Raymark Speedlag (Cloth)	1969-1976	65%	CY
		Raymark Terrybestos	1957-1960	80%	CY
		Raymark Tribestos	1971-1979	90%	CY
		Raymark Tubing	1929-1982	100%	CY
		Raymark Yarn	1929-1982	95%	CY
Southern Textile Corp.	Southern Asbestos Co.	Gurdian			
		Gardian Cleangard			
		Southern Asbestos Roll			
		Covergard	1974-1983	95%	CY
		Flame-gard	1974-1983	95%	CY
		Heatgard	1974-1983	95%	CY
		Insulgard	1976-1980	95%	CY
		Insulgard II	1980-1983	95%	CY
		Southern Textile Cloth		95%	CY
		Southern Textile Felt		95%	CY
		Southern Textile Roving		95%	CY
		Southern Textile Co.			



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Textiles, Felts, Cloth</u> (cont.)					
Southern Textile Corp.	Southern Textile Co.	Southern Textile Tape Southern Textile Yarn/Cord Therm-a-gard Thermogard Weldgard	1967-1983 1974-1983 1974-1983	95% 95% 95% 95% 95%	CY CY CY CY CY
T & N plc	Keasbey & Mattison Co.	Bestfelt 10 Zebra			
TBA Industrial Products, Ltd.	TBA Industrial Products, Ltd. Turner Brothers Asbestos Co., Ltd.	TBA Fortex Textiles Durestos Asbestos Felt TBAC Asbestos Cloth TBAC Asbestos Lapping TBAC Asbestos Lap TBAC Asbestos Roving	1948- 1948- 1948- 1948-	85% 80% 80% 80%	CY CY CY CY
Tennat Ltd.	Roberts, J.W. Ltd.	Limpet Mattresses			
Trinova Corp.	Gustin-Bacon Group	Glass Fiber Blanket Glass Fiber Pipe Insulation	1945-1947 1945-1970	2% 11%	
Uniroyal, Inc.	Uniroyal, Inc.	Uniroyal Asbestall Uniroyal Asbestos Cloth	1941-1976 1941-1976		CY CY
United States Gypsum Co.	United States Gypsum Co.	U.S. Gypsum Asb. Felts & Coverings	1936-1939		
UNR Industries, Inc.	Unarco Industries, Inc.	Asbestos Cloth Asbestos Textiles Insubestos Insulating Felt	1948-1960 1940-		CY AM

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Textiles, Felts, Cloth</u>					
UWR Industries, Inc.	Unarco Industries, Inc.	Super Insultape	1949-		AM
		Unarco Comb. Asbestos Glass Cloths	1949-		
		Unarco Fibrous Glass Insul. Blankets	1949-		
		Unarco Metal Mesh Insulating Blankets	1949-		
		Unarco Mineral Wool	1957-1960		
		Unarco Steevings	-1963		CY
		Unarco Thermal Insulating & Sound Blank.	1949-		
		Unarco Tubing	-1963		CY
		Wovenstone			AM
Ventfabrics, Inc.	Ventfabrics, Inc.	Grade AAA Wire-Inserted Asbestos Cloth			
		Ventbestos			
Wheeler Protective Apparel, Inc.	Safety First Industries, Inc.	Blockote "17 Line"		85%	
		Wheeler Weave "10 Line"		85%	
		Wheeler Weave "11 Line"		85%	
		Wheeler Weave "12 Line"		85%	
		Wheeler Weave "13 Line"		85%	
		Wheeler Weave "14 Line"		85%	
<u>Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape</u>					
Amatex Corp.	Amatex Corp.	Amatex Asbestos Woven Tape		95%	
		Asbestos Cord	1950-	95%	CY
		Asbestos Rope	1962-	95%	CY
		Asbestos Tape	1950-	95%	CY
		Asbestos Wick	1962-	95%	CY
Anchor Packing Co.	Anchor Packing Co.	Amflex Ring Packing			
		Amflex-Packings			
		Anchor Packing			
		Anchorpak			

Current Entity Manufacturer Product Number Mfg. Years Content Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Anchor Packing Co.  
 Anchor Packing Co.  
 Anklon Ring Packing  
 Anklon Spiral Packing  
 Anko-Duty, Style 52-AD  
 Anko-Tetrabest 1188 Sheet, Cut Gaskets  
 Ankolite  
 Ankolite Bearing  
 Ankoprene  
 Ankor-Flex  
 Ankorlok Armored 1314-AC Ring, Coil  
 Ankorlok Asb.-Vir. Ank. 1162 Ring Coil  
 Ankorlok Encap. G. 1300-AGF Ring Coil  
 Ankorlok Style 1300 Ring, Coil  
 Ankorlok Style 1302 PSR Ring, Coil  
 Ankorlok Style 1304 Ring, Coil  
 Ankorlok V. Anklon-ASB. 1164 Ring, Coil  
 Ankorite  
 Ankorite Asb.-SBR, 424 Sheet, C. Gaskets  
 Ankorite Conveyor Tape, 698-B  
 Ankorite Conveyor Tape, Style 698  
 Ankorite Conveyor Tape, Style 698-A  
 Ankorite Conveyor Tape, Style 698-C  
 Ankorite Conveyor Tape, Style 699  
 Ankorite Crucible Packing, Style 629  
 Ankorite Cut Ring & Full-Face Gask., 425  
 Ankorite Heavy Duty, Style 52-HD  
 Ankorite Style 405-D  
 Ankorite Style 405-DW1  
 Ankorite Type 1 Style 52-1-1  
 Ankorite White 405 Sheet, Cut Gaskets  
 Ankotallic Gask. M. P. Cen. Rings 659-A  
 Ankotallic Gaskets  
 Ankotallic Gaskets For  $\frac{1}{2}$  & F., 670-A  
 Ankotallic Gaskets Style 650-A  
 Ankotallic Gaskets Style 651-A-Oval  
 Ankotallic Gaskets Style 652-A-Square

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Type
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Asbestos

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Anchor Packing Co.	Anchor Packing Co.	Ankotalllic Gaskets Style 653-A-Round			
		Ankotalllic Gaskets Style 654-A-Obround			
		Ankotalllic Gaskets Style 655-A-Pear			
		Ankotalllic Gaskets Style 657-A-Diamond			
		Ankotalllic Gaskets Style 658-A			
		Ankotalllic Gaskets Style 659-RJ-A			
		Ankotalllic Gaskets Style 660-A			
		Ankotalllic Gaskets Style 671-A			
		Ankotalllic Multi-Pass Rib-T. Ga. 678-A			
		Ankotex			
		Ankotex Asbestos Rope, Style 1551			
		Ankotex Asbestos Tapes, Style 1584 W1			
		Ankotex Woven Asbestos Tapes, Style 1584			
		Ankotex-Ankprene Binder, 439 S. Cut Gas			
		API & ASA Ring Joint Gaskets, 617-A			
		Asbestos Core Metallic 851 Ring, Spiral			
		Asbestos-Anko. 450 Sheet, Cut Gaskets			
		Asbestos-SBR 425 Sheet, Cut Gaskets			
		Asbestos-Virgin Ank. S. 1108 Ring, Coil			
		Asbestos-Virgin Ank. S. 1129-TL R., Coil			
		Buna N Style 820 W.J. Ring Or Spiral			
		Car. Ank. Binder 820 Ring, Spiral, Coil			
		Carbonite Bulk Style 808			
		Carbonite Core Metallic 858 Ring, Spiral			
		Carbonite Style 804 Ring, Coil			
		Carbonite Style 806 Ring, Coil			
		Carbonite Style 807			
		Carbonite Style 808-A			
		Carbonite Style 808-C Coil			
		Carbonite Style 808-W Ring, Spiral, Coil			
		Carbonite Style 808-W-W.J. Ring, Spiral			
		Carbonite Style 809 Ring, Coil			
		Carbonite Style 810			
		Cloth-Ins. V. Ank. 1181 Lox Sheet C. G.			
		Cloth-Inserted V. Ank. 1181 Sheet, Cut G			
		Conquistador			

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Anchor Packing Co.	Anchor Packing Co.	Corrug. Metal Sect.-Filler Insert, 612-A			
		Corrugated Metal Section, 613-A			
		Cracking Metal Shell-Filler, 614-A			
		Cracking Coil Style 303 Ring, Coil			
		Ctr. Cr. Du. Capstan St. 212-A Ring Sp/C			
		Cushion Beck 210-A Ring, Spiral Or Coil			
		Encapsulated Graphite Style 1301			
		Encapsulated Graphite Style 1301-AGF			
		Filled Double Jacketed-Double Edge, 616A			
		Filled Single Jacketed, Style 615-A			
		Filled-Double Metal Shell, Style 621-A			
		Filled-Open Outside M. Jacket 623-A			
		Folded "High Pressure" Gaskets, 639			
		Folded A. Man. & Hand. G. 600 M.H., N.H. Gaskets, Style 672-A			
		Heat Exchange & Cylinder Head, 675-A			
		Heat Exchanger & Cylinder Head, 673-A			
		Heat Exchanger & Cylinder Head, 674-A			
		Hydrofil			
		Loose Bulk Carbolon Style 1126			
		Metal Gasket-Plain Flat, 611-A			
		Mot-Ank-Thane			
		Motorite Red & Black, 406 Sheet, C. Gas.			
		Perforated Sheet Metal, Style 624-A			
		Plain And Solid Metal Style 627-A			
		Plain And Solid Metal, Style 626-A			
		Plastic Type Rings Style 191-DF, 191-NDF			
		Polyflex			
		Prof. Sol. N.-Open Outside M. Ja. 620-A			
		Profile Metal-Filler, Style 618-A			
		Profile Solid Metal, Style 619-A			
		Rota-Face			
		Sheet-Form Bulk Anchorpak Style 1127			
		Squared Sultan Style 318 Ring, Coil			
		Squared Sultan-En. G. 318-AGF Ring, Coil			
		Sultan Style 318-CA Ring, Coil			

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Anchor Packing Co.

Anchor Packing Co.

- Sultan Style 318-K Ring, Coil
- Sultan Style 318-P Ring, Coil
- Sultan Style 318-W Ring, Coil
- Sulu Style 317 Ring, Coil
- Sulu Style 317-CA Ring, Coil
- Sulu Style 317-K Ring, Coil
- Sulu Style 317-P Ring, Coil
- Sulu Style 317-W Ring, Coil
- Sulu-Encap. Graphite 317-AGF Ring, Coil
- Supreme Style 201 Ring, Spiral Or Coil
- Tank Car Gaskets
- Target Sheet
- Target Style 400 Sheet, Cut Gaskets
- Tauril
- Tauril Style 480 Sheet, Cut Gaskets
- Triple "M"
- Twicom
- TWICOM Style 459-WI Sheet, Cut Gaskets
- Ultraglide
- Valve Stem Cab Cock Style 316 Ring, Coil
- Valve Stem Rubbered Style 315 Ring, Coil
- Valve Stem Sultan Style 319 Ring, Coil
- Valve Stem Twisted Style 314 Coil & Reel 1948-
- Vy-Flex Spiral Packing 1948-
- Vy-Flex Ring Packing

Moven Filter-Open Inside Metal Ja. 622-A

Argo Packing Co.

Argo Asbestos & Rubber Corp.

- Diamond No. 375
- Econo No. 400
- Powerite No. 350

70%

Armstrong World Industries, Inc.

Armstrong Cork Co.

Accobest AW-8012

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Gaskets, Packing, Sheets, Rope, Hick, Cord, Tape</u> (cont.)					
Armstrong World Industries, Inc.	Armstrong Cork Co.	Accobest AS-474 Accobest AS-8073 Armstrong Ring Facing Material Armstrong Sheet Gasketing Material			
Atlas Turner, Inc.	Atlas Turner, Inc.	Atlas Turner Asbestos Cord Atlas Turner Asbestos Tape	1948- 1948-	85% 80%	CY CY
Boise Cascade Corp.	Boise Cascade Corp.	Boise Cascade Latex Coated Gasket	1967-1975	90%	
Celotex Corp.	Celotex Corp.	Carey Asbestos Rope And Wick	1925-1945	92%	
Chesterton, A.W. Co.	Chesterton, A.W. Co.	Chesterton Packings & Seals Chesterton Style 211 Chesterton Style 212 Chesterton Style 235 Comp. Sheet Chesterton Style 240 Metal Sheet Chesterton Style 315 Chesterton Style 80 Square Flax Parachute Packing Style 600 Russo 210 Style 326 Ches-Lon Packing Chesterton "64" Packing			
Dana Corp.	Victor Mfg. and Gasket Co.	Asbestopac Asbestoprene			
Durabla Canada Ltd.	Durabla Canada Ltd.	Durabla Penpak III-P-46 Penpak Penpak Compressed Gasket			

Current Entity      Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)      Product Name      Mfg. Years      Content      Asbestos      Type

Durametallic Corp.	Durametallic Corp.	Durametallic Sealing Systems			
Ex-Cell-O Corp.	Ex-Cell-O Corp.	McCormac Tork-Lok Gaskets			
Excelsior, Inc.	Excelsior Leather Washer Mfg. Co., Inc.	Excelsior Hydraulic Packings & Gaskets			
Flexitallic, Inc.	Flexitallic Gasket Co.	Flex. Blue Spiral Wound Flanged Gasket Flex. Blue Spiral Wound Gasket			
		Flex. Gasket			
		Flex. Spiral Wound Gaskets			
		Flex. Jacketed Gasket			
		Flex. Spiral Wound Gaskets (No Ring)		18%	
		Flex. Spiral Wound Gaskets W/ Ring		8%	
Fuller, H.B. Co.	Benjamin Foster Co.	Extruded Sealant Tape (96-06) Extruded Sealant Tape 96-01 Sealant Tape 9A5			
Furon Co.	Fluorocarbon Co. (The)	Fluorocarbon Teflon Seal Rings Tec Ring			
	Sepco Corp.	Sepco Asbestos TFE 3/8" Square Sepco Braided Packing Sepco Gasketing Tape Sepco Gaskets Sepco Insutape Sepco Label	1924-1984 1924-1984 1924-1984 1970-1980	100% 95% 34%	CY, CR CY CY



Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape					
Furon Co.	Sepco Corp.	Sepco Label			
Garlock Inc.	Belmont Packing & Rubber Co.	"6100" Pkg.- Coil Form, Belmont 6102 "6100" Pkg.- Ring Form, Belmont 6101 "6100" Pkg.- Spiral Form, Belmont 6100 Air Compressor Pkg.-Coil Form, B. 111 Air Compressor Pkg.-Coil Form, B. 759 Air Compressor Pkg.-Ring Form, B. 110 Air Compressor Pkg.-Ring Form, B. 758 Air Compressor Pkg.-Spiral Form, B. 112 Air Compressor Pkg.-Spiral Form, B. 760 Asb. Metallic Sheet Pkgs. Belmont 603 Asb. Metallic Sheet Pkgs. Belmont 625 Asbestos Metallic Red Core Packing 412 Belmont Pkgs.- Sheet Form, Belmont 611 Belmont Pkgs.-Gasket form, Belmont 629 Blue Asb. Acid Pkg.-Coil Form, B. 6504 Blue Asb. Acid Pkg.-Ring Form B. 6503 Braided Asb. Pkgs.- Coil Form, B. 189 Braided Asb. Pkgs.- Coil Form, B. 742 Braided Asb. Pkgs.- Ring Form, B. 185 Braided Asb. Pkgs.- Ring Form, B. 743 Braided Asb. Pkgs.- Spiral Form, B. 188 Braided Asb. Pkgs.- Spiral Form, B. 741 Centrifugal & Rotary Pump Pkgs. 751-P Centrifugal & Rotary Pump Pkgs. 753-P Centrifugal & Rotary Pump Pkgs. 754-P Locomotive Throttle Packings, Type 60 Locomotive Throttle Packings, Type 61 Square Braided Asb. Pkg. Belmont 753 Square Braided Asb. Pkg. Belmont 754 Square Braided Asb. Pkg.-Belmont 751 Square Cross Section, Belmont 744 Square Cross Section, Belmont 745 Square Cross Section, Belmont 746			

(cont.)

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Garlock Inc.	Belmont Packing & Rubber Co.	Valve Stem Pkgs.-Braided Form, B. 610	1907-	85%	CY
		Valve Stem Pkgs.-Twisted Form, B. 740	1907-	85%	CY
	Garlock Inc.	Asbestos Gaskets (Generic)	1907-	85%	CY
		Asbestos Packing (Generic)	1907-	85%	CY
		Asbestos Sheets (Generic)	1907-	85%	CY
		Garlock - Label			
		Garlock Asbestos & Rubber Packings			
		Garlock Logo			
		Garlock Rope			
		Guardian Spiral Wound Gaskets			
		Multi/Facturing Asbestos & Rubber Pck.			
	Garlock Packing Co.	Comp. Asbestos Sheet & Gasket #7228	1933-	80%	CY
		Comp. Asbestos Sheet & Gasket #7705	1933-	80%	CR
		Comp. Asbestos Sheet & Gasket #900/7735	1933-	80%	CY
		Comp. Asbestos Sheet & Gaskets #7021	1933-	80%	CY
		Comp. Flexible Metallic Packing #631		50%	
		Comp. Flexible Metallic Packing #633		50%	
		Comp. Flexible Metallic Packing #644		50%	
		Compression Braided Packing #234	1933-	65%	
		Compression Braided Packing #5862	1933-	65%	
		Compression Braided Packing #733	1933-	65%	
		Compression Fabric & Rubber Packing #144		65%	
		Compression Fabric & Rubber Packing #150		65%	
		Compression Fabric & Rubber Packing 7130		65%	
		Compression Plastallic Packing #127		65%	
		Compression Plastallic Packing #908		65%	
		Compression Plastallic Ring Packing #926		65%	
		Expansion Joint # 204	1950-1978	25%	
		Expansion Joint #9278	1950-1978	25%	
		Garlock Industrial Spiral Wound Gaskets	1933-	10%	
		Garlock Ring Packing	1883-		
		Ind. Woven Asbestos & Rubber Gasket #804		65%	
		Ind. Woven Asbestos & Rubber Gasket #605		65%	
		Ind. Woven Asbestos & Rubber Gasket #612		65%	

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Garlock Inc.	Garlock Packing Co.	No. 15 Regular Spiral Packing Style #0.150 Spiral Packing TFE Envelope Gaskets #8764	1883- 1940-	40%	
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Genstar Corp.	Flintkote Co.	Flintkote Static Asphalt Fibrated Flintkote Static Levelkote	1958-1981	3% 3%	
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Grant Wilson Inc.	Grant Wilson Inc.	Asbestos Wick, Flexi Duct Vibra-Stop Flexi-Duct Fireproof Selvaged Edges	1935-1973		
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		Flexi-Duct Flexible Duct Connection Grant Wilson Asbestos Rope Packing Gum-Bestos			
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		Vibra-Stop Type "A" (Asbestos)			
		Wilson Asbestos Pipe Joint Tape	1935-1982		

Greene, Tweed & Co.	Greene, Tweed & Co.	Braided Asbestos Packings 1000 Braided Asbestos Packings 1007 Braided Asbestos Packings 1010 Braided Asbestos Packings 1020 Braided Asbestos Packings 1030 Braided Asbestos Packings 1100 Braided Asbestos Packings 1200 Braided Asbestos Packings 1300 Braided Asbestos Packings 1330 Braided Asbestos Packings 1335 Braided Asbestos Packings 1337 Braided Asbestos Packings 1347 Compressed Asb. Palmetto Sheet Pck. 2870 Compressed Asb. Palmetto Sheet Pck. 2875 Compressed Asb. Palmetto Sheet Pck. 2900			
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Product Name

Manufacturer

Current Entity

Mfg. Years

Content

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Greene, Tweed & Co.	Compressed Asb. Palmetto Sheet Pck. 2910	
	Compressed Asb. Palmetto Sheet Pck. 2915	
	Compressed Asb. Palmetto Sheet Pck. 2935	
	Compressed Asb. Palmetto Sheet Pck. 2970	
	Dry Asbestos Rope 3800	
	Dry Asbestos Rope 3810	
	Dry Asbestos Rope 3820	
	Dry Blue Asbestos Rope 3840	
	Dry Blue Asbestos Rope 3850	
	Foil And Asbestos 4000	
	Foil And Asbestos 4010	
	Folded Asbestos Gaskets 3600	
	Furnace Door & Retort Packing 3700	
	High Pressure Packing 2200	
	Molded Asbestos Packings 2400	
	Molded Asbestos Packings 2403	
	Molded Asbestos Packings 2500	
	Molded Asbestos Packings 2503	
	Molded Asbestos Packings 2600	
	Molded Asbestos Packings 2601	
	Molded Asbestos Packings 2603	
	Molded Asbestos Packings 2700	
	Molded Asbestos Packings 2701	
	Molded Asbestos Packings 2800	
	Molded Asbestos Packings 2801	
	Molded Asbestos Packings 2803	
	Plastic Packing 1500	
	Power Plant Packing 4062	
	Tape 3610	
	Teflon-Asbestos Packing	
	Wick 3900	
Palmetto Packing Co.	Palmetto Packings	
Hermetic Materials, Ltd.	Pittsoul	
Hermetic Materials, Ltd.	Hermetic Materials, Ltd.	

Current Entity      Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

J.P. Industries, Inc.      (cont.)

J.P. Industries, Inc.

McCord Corp.

Diesel-Seal

McCorpac

John Crane, Inc.

Crane Packing Co.

Chemlon

- Everseal V Packing
- Mini-T-Pak Hydraulic Packing
- Mini-T-Pak, Style No. B21
- Mini-T-Pak, Style No. AS-10
- Rite-Pak
- Rite-Pak Packing Style 810
- SS6-AM Packing Spool Form 5 LB
- SS6AM Packing Spool Form 1 LB
- Style 1871 Packing
- Super-Seal Packing

John Crane-Houdaille, Inc.

- 1030 Braid Over Braid 9610      -1970      CY
- 3/8" Torch Wick For O.E.M.-9416      -1965      CY
- Braid Over Braid Asbestos W. Lube 908      -1965      CY
- Braid Over Braid Asbestos Yarn 915      -1970      CY
- Braided Over Braid Asbestos 8048S      -1970      CY
- Commercial Grade Asbestos Yarn 9810      -1985      CY
- Core Of 2 15 Pound Jute 9815      -1985      CY
- Core Of 2 15 Pound Jute 9826      -1985      CY
- Hypalon Core In Braided Asb. C05H      -1975      CY
- Hypalon Core Ring Form C05      -1970      CY
- Interlaced Braided Asb. W. Surface C04      -1970      CY
- Interlaced Braided Commercial Asb. C06AE      -1970      CY
- Interlaced Braided Commercial Asb. C06B      -1985      CY
- Interlaced Braided Commercial Asb. C07      -1985      CY
- Interlaced Braided Commercial Asb. C07SP      -1975      CY
- Interlaced Braided Commercial Asb. C07SR      -1975      CY
- John Crane Houdaille 10 # 3      -1980      CY
- John Crane Houdaille 1001      -1965      CY
- John Crane Houdaille 100AM      -1980      CY

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.

John Crane-Houdaille, Inc.

John Crane Houdaille 100PB	-1975	
John Crane Houdaille 1011	1940-1975	
John Crane Houdaille 1015	1940-	
John Crane Houdaille 1018	1940-1980	
John Crane Houdaille 1021	1940-	
John Crane Houdaille 1023	-1980	
John Crane Houdaille 103	-1980	
John Crane Houdaille 1030	-1980	
John Crane Houdaille 1033		
John Crane Houdaille 104	-1985	
John Crane Houdaille 104H	-1985	
John Crane Houdaille 1051	-1970	
John Crane Houdaille 1060	-1970	
John Crane Houdaille 1080	-1975	
John Crane Houdaille 1080C	-1975	
John Crane Houdaille 10C	-1980	
John Crane Houdaille 110	1940-1985	
John Crane Houdaille 110AG	-1960	
John Crane Houdaille 110SP	-1960	
John Crane Houdaille 111		
John Crane Houdaille 1121	-1970	
John Crane Houdaille 113	-1965	
John Crane Houdaille 1140	-1985	
John Crane Houdaille 1151	-1970	
John Crane Houdaille 115AT	-1960	
John Crane Houdaille 1170	-1960	
John Crane Houdaille 1180	-1970	
John Crane Houdaille 1182	-1970	
John Crane Houdaille 1190	-1970	
John Crane Houdaille 11FFA	-1985	
John Crane Houdaille 11FFB	-1985	
John Crane Houdaille 11SA	-1985	
John Crane Houdaille 11SB	-1985	
John Crane Houdaille 120	-1970	
John Crane Houdaille 120M	-1970	
John Crane Houdaille 120SP	-1965	



Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.

John Crane-Houdaille, Inc.

John Crane Houdaille 172DX	-1985		
John Crane Houdaille 172DM	-1985		
John Crane Houdaille 172DN	-1975		
John Crane Houdaille 172DR	-1985	32X	CY
John Crane Houdaille 172DS	-1970		
John Crane Houdaille 172DX	-1985		
John Crane Houdaille 172G	-1970		
John Crane Houdaille 172HW	-1985		
John Crane Houdaille 172KS	-1985		
John Crane Houdaille 172MM			
John Crane Houdaille 172R/271B	-1970		
John Crane Houdaille 172R3			
John Crane Houdaille 172R4			
John Crane Houdaille 172RA			
John Crane Houdaille 172RB			
John Crane Houdaille 172RC			
John Crane Houdaille 172RD			
John Crane Houdaille 172RK	-1985		
John Crane Houdaille 172RS	-1960		
John Crane Houdaille 172RX	-1960		
John Crane Houdaille 172XC	-1985		
John Crane Houdaille 173	-1985		
John Crane Houdaille 173RX	-1960		
John Crane Houdaille 174	-1960		
John Crane Houdaille 175	-1960		
John Crane Houdaille 175MR	-1960		
John Crane Houdaille 175S	-1960		
John Crane Houdaille 176	-1960		
John Crane Houdaille 1769A	-1985		
John Crane Houdaille 176MR	-1960		
John Crane Houdaille 177	-1970		
John Crane Houdaille 1771	-1960		
John Crane Houdaille 1771C	-1985		
John Crane Houdaille 1771X	-1970		
John Crane Houdaille 1776A	-1985		
John Crane Houdaille 177A2	-1985		



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

John Crane, Inc.	John Crane-Houdaille, Inc.	John Crane Houdaille 177AC	-1965		
		John Crane Houdaille 177AI	-1985		
		John Crane Houdaille 177AM	-1970		
		John Crane Houdaille 177AS	-1965		
		John Crane Houdaille 177J	-1985		
		John Crane Houdaille 177J6	-1975		
		John Crane Houdaille 177J7	-1975		
		John Crane Houdaille 177JC	-1985		
		John Crane Houdaille 177JG	-1985		
		John Crane Houdaille 177JX			
		John Crane Houdaille 177MC	-1985		
		John Crane Houdaille 177MD	-1965		
		John Crane Houdaille 177VA	-1970		
		John Crane Houdaille 177U	-1960		
		John Crane Houdaille 178	-1965		
		John Crane Houdaille 179	-1965		
		John Crane Houdaille 17CA			
		John Crane Houdaille 17CB	-1960		
		John Crane Houdaille 180	-1985		
		John Crane Houdaille 1804	-1970		
		John Crane Houdaille 1804D			
		John Crane Houdaille 1804I	-1970		
		John Crane Houdaille 1804H			
		John Crane Houdaille 1805			
		John Crane Houdaille 1806	-1960		
		John Crane Houdaille 1807			
		John Crane Houdaille 181	-1960		
		John Crane Houdaille 1810	-1985		
		John Crane Houdaille 1811	-1975		
		John Crane Houdaille 1811C	-1970		
		John Crane Houdaille 1811S	-1970		
		John Crane Houdaille 182	-1965		
		John Crane Houdaille 183	-1965		
		John Crane Houdaille 184 <sup>1/2</sup>	1960-1985		
		John Crane Houdaille 184SP	-1965		
		John Crane Houdaille 185	-1965		

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos Content	Type
John Crane, Inc.	John Crane-Houdaille, Inc.	John Crane Houdaille 187	1950-1965		
		John Crane Houdaille 187CR	1950-1965		
		John Crane Houdaille 187I	1950-1985	20%	CY
		John Crane Houdaille 187IC	-1985		
		John Crane Houdaille 187IH	1950-		
		John Crane Houdaille 187IS	1950-1985		
		John Crane Houdaille 187IX	1950-1985		
		John Crane Houdaille 187J	1950-1985		
		John Crane Houdaille 187JD	1950-1985		
		John Crane Houdaille 187JK	1950-1985		
		John Crane Houdaille 187X8	1950-1985		
		John Crane Houdaille 187XC	1950-1985		
		John Crane Houdaille 188	-1960		
		John Crane Houdaille 19	-1985		
		John Crane Houdaille 190	-1960		
		John Crane Houdaille 192A1	-1985		
		John Crane Houdaille 192AH			
		John Crane Houdaille 193	-1970		
		John Crane Houdaille 194	-1970		
		John Crane Houdaille 195	-1965		
		John Crane Houdaille 197A1	-1965		
		John Crane Houdaille 197AH	-1985		
		John Crane Houdaille 19C	-1985		
		John Crane Houdaille 19CFF	-1985		
		John Crane Houdaille 19FF	-1985		
		John Crane Houdaille 18	-1975		
		John Crane Houdaille 18F	-1975		
		John Crane Houdaille 18ULK	1930-1985		
		John Crane Houdaille 1CB	-1985		
		John Crane Houdaille 1CJ	-1975		
		John Crane Houdaille 1J			
		John Crane Houdaille 1JTS			
		John Crane Houdaille 1K	-1985		
		John Crane Houdaille 20	-1970		
		John Crane Houdaille 200			
		John Crane Houdaille 200AL	1940-1970		

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.

John Crane-Houdaille, Inc.

John Crane Houdaille 200CU	1940-1970			
John Crane Houdaille 200K	-1970			
John Crane Houdaille 201	-1970			
John Crane Houdaille 201AL	-1975			
John Crane Houdaille 201CU	-1970			
John Crane Houdaille 205	-1985			
John Crane Houdaille 20C	-1985			
John Crane Houdaille 20CFF	-1985			
John Crane Houdaille 20FF	-1983			
John Crane Houdaille 2112	-1983			
John Crane Houdaille 2112G	-1985			
John Crane Houdaille 2114	-1985			
John Crane Houdaille 2125	-1985			
John Crane Houdaille 2130	-1975			
John Crane Houdaille 2150	-1975			
John Crane Houdaille 2150G	-1985			
John Crane Houdaille 2150W	-1975			
John Crane Houdaille 2151	-1985			
John Crane Houdaille 2152	-1985			
John Crane Houdaille 2152G	-1975			
John Crane Houdaille 2154	-1985			
John Crane Houdaille 2155/333 H	-1970			
John Crane Houdaille 2157	-1965			
John Crane Houdaille 2195	-1970			
John Crane Houdaille 220	-1970			
John Crane Houdaille 221	-1985			
John Crane Houdaille 222	-1985			
John Crane Houdaille 222G	-1970			
John Crane Houdaille 230	-1970			
John Crane Houdaille 231	-1965			
John Crane Houdaille 2485	-1985			
John Crane Houdaille 250	-1970			
John Crane Houdaille 2501	-1965			
John Crane Houdaille 250NF	-1966			
John Crane Houdaille 250W	-1985			
John Crane Houdaille 251				4% CY

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.

John Crane-Houdaille, Inc.

John Crane Houdaille 2511	-1965	
John Crane Houdaille 251F-C	-1965	
John Crane Houdaille 25C	-1985	
John Crane Houdaille 260	-1965	
John Crane Houdaille 271S	-1970	
John Crane Houdaille 272	-1970	
John Crane Houdaille 2804	-1970	
John Crane Houdaille 2810	-1965	
John Crane Houdaille 285	-1985	
John Crane Houdaille 2AM	-1985	
John Crane Houdaille 2BULK	-1985	
John Crane Houdaille 2C		
John Crane Houdaille 2CR	-1985	
John Crane Houdaille 2CRAJ	-1975	
John Crane Houdaille 2CRJ	-1985	
John Crane Houdaille 2CRJ2	-1975	
John Crane Houdaille 2CRJA	-1985	
John Crane Houdaille 2CRJI	-1975	
John Crane Houdaille 2E		
John Crane Houdaille 2J	-1985	
John Crane Houdaille 2JS	-1985	
John Crane Houdaille 2TJ	-1975	
John Crane Houdaille 300	-1975	
John Crane Houdaille 300ED	-1965	
John Crane Houdaille 300EU	-1970	
John Crane Houdaille 300H	-1970	
John Crane Houdaille 301	-1970	
John Crane Houdaille 301CE	-1965	
John Crane Houdaille 301ED	-1965	
John Crane Houdaille 301H	-1970	
John Crane Houdaille 301NC	-1965	
John Crane Houdaille 306	-1965	
John Crane Houdaille 311	-1965	
John Crane Houdaille 320	-1965	
John Crane Houdaille 321	-1965	
John Crane Houdaille 333	-1985	70% CY

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.	John Crane-Houdaille, Inc.	John Crane Houdaille 333G	-1985		
		John Crane Houdaille 334	-1980		
		John Crane Houdaille 350	-1975		
		John Crane Houdaille 351	-1975		
		John Crane Houdaille 360	-1965		
		John Crane Houdaille 361	-1965		
		John Crane Houdaille 370	-1965		
		John Crane Houdaille 371	-1965		
		John Crane Houdaille 3802	-1965		
		John Crane Houdaille 3804M			
		John Crane Houdaille 381	-1965		
		John Crane Houdaille 3810	-1985		
		John Crane Houdaille 3812	-1970		
		John Crane Houdaille 3812L	-1985		
		John Crane Houdaille 3820	-1965		
		John Crane Houdaille 391	-1965		
		John Crane Houdaille 3AM	-1975		
		John Crane Houdaille 3Bulk	1980-1985		
		John Crane Houdaille 3J	-1985		
		John Crane Houdaille 406	-1965		
		John Crane Houdaille 41	-1985		
		John Crane Houdaille 412	-1965		
		John Crane Houdaille 460	-1965		
		John Crane Houdaille 461	-1965		
		John Crane Houdaille 4810	-1985	67%	CY
		John Crane Houdaille 4877	-1985		
		John Crane Houdaille 4AM	-1985		
		John Crane Houdaille 4J	-1985		
		John Crane Houdaille 4JA	-1970		
		John Crane Houdaille 4V	-1975		
		John Crane Houdaille 4VCR	-1975		
		John Crane Houdaille 504	-1965		
		John Crane Houdaille 5810	-1985		
		John Crane Houdaille 5810A	-1985		
		John Crane Houdaille 5810B	-1985		
		John Crane Houdaille 5810C	-1985		

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

Nicolet, Inc.	Nicolet, Inc.	Nicolet Lehr-Disc	1962-	85%	
		Nicolet Rope Packing			
		Nicolet Wick Packing			
		Nico seal No. 553	1970-		
		Nico seal No. 575	1962-		
		Nico seal No. 577	1962-1980		
		Nico seal No. 578	1962-1980		
		Nico seal No. 592	1962-1980		
		Nico seal No. 593	1962-		
		SBR Sheets			
Parker-Hannifin Corp.	Sacoma Sierra	Sacoma Boiler Gaskets	1964-1977		
		Sacoma Mechanical Packings	1964-1977		
Pars Mfg. Co.	Pars Mfg. Co.	Pars Gaskets And Packing			
Porter, H.K. Co.	Porter, H.K. Co.	Porter Tape		95% CY	
		Porter Yarn/Cord		95% CY	
Raymark Industries, Inc.	Raybestos-Manhattan, Inc.	Quik-Flame Woven Asbestos Wicking	1941-1981	80% CY	
		Raybestos-Manhattan Packing	1963-1982	80% CY	
		RM Asbestos Cord And Thread	1942-1982	80% CY	
		Raymark Allbestos Tape	1947-1964	85% CY	
		Raymark Gafortape	1970-1982	100% CY	
		Raymark Glassbestos (Tape)	1929-1972	CR	
		Raymark Novabestos (Tape)	1938-	60% CY	
		Raymark Novatex (Tape)	1929-1981	90% CY	
		Raymark Packings			
		Raymark Pyrotex (Tape)			
		Raymark Rope			

Asbestos  
Type

Content

Product Name

Manufacturer

Current Entity

Mfg. Years

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Raymark Industries, Inc.	Raymark Industries, Inc.	Raymark Sealsafe (Tape)	1975-1982	80%	CY
		Raymark Tape	1929-1982	85%	CY
		Raymark Tape (AMC)	1940-1970		AM
		Raymark Valve Rings	1950-1970		CR
		Raymark Wick	1929-1981	90%	CY

Sur-Seal Gasket and Packing, Inc.	Sur-Seal Gasket and Packing, Inc.	Sur-Seal			
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I & M plc	Kearbey & Mattison Co.	K & M Best In Asbestos (A)			
		K & M Best In Asbestos (B)			
		K & M Best In Asbestos (C)			
		K & M Best In Asbestos (D)			
		Kearbey & Mattison Asbestos Rope			

TBA Industrial Products, Ltd.	TBA Industrial Products, Ltd.	Fortex Webbing FW 300			
		TBA Industrial Products Jointings			
		TBA Industrial Products Packings			
	Turner Brothers Asbestos Co., Ltd.	Firefly	1948-	85%	CY
		TBAC Asbestos Cord	1948-	80%	CY
		TBAC Asbestos Tape	1948-	70%	CY
		TBAC Asbestos Yarn			
		Permanite			

Uniroyal, Inc.	Uniroyal, Inc.	Uniroyal Asbestos	1941-1976		CY
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United States Gypsum Co.	United States Gypsum Co.	Durabond Joint Compound Taping			
		Imperial Tape			
		Perf-A-Tape Joint System			

UNR Industries, Inc.	Unarco Industries, Inc.	Asbestos Cord			
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Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
<u>Cements, Adhesives, Boiler Coatings</u>					
(cont.)					
Armstrong World Industries, Inc.	Armstrong World Industries, Inc.	S-89 (Adhesive) S-90 (Adhesive)	1965-1983 1934-1983		
Atlas Turner, Inc.	Atlas Asbestos Co. Ltd. Atlas Turner, Inc.	Atlas Insulating Cement Atlas Stove & Furnace Cement Atlas Turner M18 Cement No. 660 Cement	1948-1974 1948-1962	50% 75%	CY CY
Celotex Corp.	Barrett Co. Celotex Corp.	S I S Roof Adhesive S I S Roofing Cement 100 Cement 303 Cement 45 LB Asbestos Waterproof Jacket 707 Cement 7N-90 Asbestos Shorts Cement Carey 85% Mag Cement Carey A-101 Cement Carey Asbestos Tank Jackets Carey 8TU Cement Carey Duct Adhesive Carey Fibrous Adhesive Carey Fireguard Carey Insulation Seal Carey Super 606 Cement Careytemp Adhesive Careytemp Finishing Cement Celotex Lap Cement Celotex Plastic Cement	1906-1967 1906-1967 1906-1982 1906-1960 1906-1977 1906-1961 1906-1967 1906-1945 1930-1965 1940-1955 1906-1984 1950-1976 1930-1984 1906-1960 1961-1968 1941-1968	60% 55% 85% 43% 100% 15% 100% 60% 30% 15% 85% 85% 20% 10% 15% 22%	
		Celotex Plastic Roof Cement Celotex Super Lap Cement Cold Process Cement Elastigum Plastic Roof Cement			

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Cements, Adhesives, Boiler Coatings

(cont.)

Celotex Corp.	Celotex Corp.	Everlastic Cap Sheet Cement	1965-1982	20%	
		Everlastic Flashing Cement	-1967	65%	
		Fire Resistant Insulation Seal	1950-1952	70%	
		Fireclad Jacketing	1940-1967	10%	
		LF-20 Asbestos Cement	1940-1969	25%	
		MW-40 Cement	1940-1969	25%	
		MW-50 Insulating Cement			
		Vitricel Cement No. 10			
		Vitricel Cement No. 19			
		UWR Plastic Adhesive			
	Philip Corey Mfg. Co.	AMP			
	Smith & Kanzler Corp.	S & K Range Boiler Jacket			
Certainiteed Corp.	Certain-teed Corp.	Blind Mailing Cement	1930-1977	13%	CY
		Certainiteed Sealing Cement	1930-1976	29%	CY
		Hot Seal Plastic Cement	1961-1977	18%	CY
		Certainiteed Plastic Cement	1930-1977	18%	CY
Combustion Engineering, Inc.	Combustion Engineering, Inc.	A-1199 Insulating Cement	1963-1966	43%	CY
		Buck Stay Cement A-1360	1965-1966	1%	AM
		Calcrete 30 Insulating Cement	1964-1970	8%	CY
		Casing Cement	1964-1969	5%	CY
		Castablock Insulating Cement	1965-1966	1%	AM
		Combustion Eng. Fibrous Adhesive	1964-1965	15%	CY
		Hilite Insulating Cement	1964-1968	9%	CY
		Hy-Temp. Flexible Cement	1963-1972	30%	CY
		Kaiser Hard Top Insul. Cement	1964-1972	5%	CY
		Kaiser Plastic Insul. Cement	1964-1971	14%	CY
		MHD Finishing Cement	1964-1968	68%	CY
		Pyroscat Fireproofing Cement	1964-1972	13%	CY
		SDK 50 Cement	1963-1966	1%	AM
		Stic Tite Insulating Cement			
		Stirrup Cement			
		Super 711 Insulating Cement	1965-1966	43%	AM

Asbestos  
Type

Content

Mfg. Years

Product Name

Manufacturer

Current Entity

(cont.)

Cements, Adhesives, Boiler Coatings

Combustion Engineering, Inc.	Combustion Engineering, Inc.	Super Finish Insulating Cement	1965-1968	14%	CY
		Super Finish Stick-Tite Insul. Cement	1963-1972	13%	CY
		Super Stick-Tite Insul. Cement	1963-1972	10%	CY
		Utility Thermal Finish Cement	1964-1972	5%	CY
Detrick, M.M. Co.	Detrick, M.H.	Casing Cement	1944-1964	5%	CY
		Fibrous Adhesive	1958-1964	13%	CY
		Hilite Cement	1959-1964	9%	CY
		M.H. Detrick No. 7 Asbestos Cement	1947-1964	68%	CY
		MHD Finishing Cement	1939-1956	14%	CY
		MM Insulating Cement	1956-1964	3%	CY
		Pyroscat Cement	1956-1964	14%	CY
		Super 711 Cement	1956-1964	5%	CY
		Utility Thermal Cement	1956-1964	5%	CY
Eagle-Picher Industries, Inc.	Eagle-Picher Co.	"1003" Cement	1947-1947	10%	
		"111" High Temperature Cement	1935-1966	4%	
		"330" Insulating Cement	1939-1945	10%	
		"43" Finishing Cement	1944-1972	76%	CY,AM
		106 Finishing Cement	1948-1962	29%	CY,AM
		99 Finishing Cement	1935-1962	82%	CY,AM
		Eagle 20 Cement	1939-1967		
		Fireproofing Cement	1947-1965	4%	CY,AM
		Ki-Stick Insulating Cement	1964-1969	6%	CY,AM
		Hylo Cement	1963-1974	5%	CY,AM
		Hylo Finishing Cement	1963-1971	7%	
		Insulseal - All Purpose	1968-1969	7%	
		Navy Grade Cement	1945-1959	16%	
		Navy Special Cement	1945-1959	12%	
		One-Dote Cement	1951-1974		CY,AM
		Superglas Fiber Insulation Type H-2			
		Super "66" Insulating Cement	1930-1974		CY,AM
	Eagle-Picher Lead Co.				

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u>					
(cont.)					
Empire Ace Insulation Mfg. Corp.	Empire Ace Insulation Mfg. Corp.	Empire Ace Aircell Jackets	1959-1984	18%	CY
		Empire Ace Cement	1959-	18%	CY
		Empire Ace Fibrous Adhesives	1959-1984	18%	CY
		Empire Ace Insulating Cement			
		Empire Ace Stic-On Cement	1959-	18%	CY
Fibreboard Corp.	Fibreboard Corp.	"F1" Insulating Cement	1963-1966	5%	
		127 Cement	1966-1975	5%	
		Pabco Caltemp	1952-1968		
		Prasco	1928-1957	15%	
		Supercaltemp	1965-1971	12%	
		Pabco 85% Magnesia Cement	1928-1966	15%	
		Pabco Cement			
		Heavy Hydroseal			
Foster Wheeler Corp.	Paraffine Companies Inc.	Forty-Eight Insulations Logo	1967-1968		CY
		HI - HI Temp Bonding Cement	1960-1970		CY
		Quik-Set Fitting Cement			
		Quik-Set Insulating Cement			
		Webers 48/48/Super 48 Cement	-1970		CY
Fuller, H.B. Co.	Benjamin Foster Co.	Acrylic Sealant 7E8			
		Acrylic Sealant 7E9			
		Adhesive 3F5			
		Adhesive 3F6A			
		Adhesive 3F6B			
		Adhesive 3G7A			
		Adhesive 3G7B			
		Adhesive 3J1A			
		Adhesive 3J1B			
		Adhesive 3J6B			
		Adhesive 3K4A			

Current Entity Asbestos  
Content  
Type

(cont.)

Cements, Adhesives, Boiler Coatings

Fuller, H.B. Co.

Benjamin Foster Co.

Adhesive 3K88	1959-	
Adhesive 3L8A	1959-	
Adhesive 3L8B	1941-	
Adhesive 83-60	1964-	
Adhesive Sealer 82-21	1969-	
Adhesive Sealer 82-22	1959-	
Adhesive Sealer 82A26	1949-	
Aluminum Sealant 7A2	1963-	
Asphalt Seam Sealer 30-14		
Benjamin Foster Black Spot Adhesive		
Benjamin Foster Insulfas Adhesive 81-15		
Benjamin Foster Insulfas Sealer 31-26		
BFC Contraction Joint Sealant 30-47		
BFC Cork-Filled Mastic 60-24		
BFC Heat Resistant Sealant 30-43		
BFC Insulation Sealant 30-46		
Black Adhesive 81-03		
Black Cat Roof Cement		
Bondseal 9A8		
Bondseal Adhesive 3J6A		
Bondseal Adhesive 3K8A		
Bondseal Bronze Butyl Sealant 7G1		
Bondseal Bronze Sealant 7F9		
Bondseal Gray Sealant 7C4		
Bondseal Gray Sealant 7C4C		
Bondseal Sealant 7B4		
Bondseal Sealant 7B4C		
Bondseal Sealant 7C8		
Bondseal Sealant 7C8C		
Bondseal Sealant 7D6		
Bondseal Sealant 7E6		
Bondseal Sealant 9A7		
Bondseal Sealant Tape 9A1		
Bondseal Tan Sealant 7G5		
Bondseal Tape Sealant 9A3		
Bronze Butyl Tape Sealant 9B4		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u>					
Fuller, H.B. Co.	Benjamin Foster Co.	C.C. Adhesive 81-36	1959-		
		C.I. Mastic (60-32), ALUMINUM	1959-		
		C.I. Mastic (60-42), ALUMINUM	1954-		
		C.I. Mastic 60-25	1964-		
		C.I. Mastic 60-28			
		Cement Adhesive, Fire Ret., Type 1 81-75			
		Chromate Primer Paste 6FB			
		Climastic (30x10), Blue Gray	1963-		
		Climastic Mastic (Trowel)	1963-		
		Climastic Mastic 30x99	1963-		
		Climastic Mastic 33-24			
		Climastic Mastic 42-17			
		Climastic Mastic 42-18			
		Climastic Mastic 42-19			
		Climastic Mastic 42-49			
		Climastic Mastic 42-80			
		Climastic Mastic 42-81			
		Construction Adhesive 3E4			
		Cord Storage Adhesive 82-69			
		Cork Filled Fire Resistive Mastic 60-51			
		Cork-filled Sealfas G-P-M 35-43			
		Cork-filled Sealfas G-P-M Mastic 35-72			
		Duct Sealer 32-04			
		Elastolar Sealant (95-44), ALUMINUM	1966-		
		Elastolar Sealant (95-49), White	1966-		
		Fibred Asphalt Emulsion 10-07			
		Fibrous Adhesive 81-27	1942-		
		Fibrous Adhesive 81-27q	1966-		
		Fibrous Adhesive 81-93	1957-		
Fire Resistive Adhesive 81-33	1943-				
Fire Resistive Asphalt Material 65-04	1965-				
Fire Resistive C.I. Mastic 65-05					
Fire Resistive C.I. Mastic 65-06					
Fire Resistive Insulation Adhesive 81-60	1959-				
Fire Resistive Insulation Sealer 30-72					
Fire Resistive Linoleum Adhesive 81-52					

Current Entity \_\_\_\_\_ Manufacturer \_\_\_\_\_ Product Name \_\_\_\_\_ Mfg. Years \_\_\_\_\_ Content \_\_\_\_\_ Asbestos Type \_\_\_\_\_

Cements, Adhesives, Boiler Coatings

(cont.)

Fuller, H.B. Co.

Benjamin Foster Co.

Fire Resistive Mastic (60-35), Aluminum	1949-
Fire Resistive Mastic (60-65), Aluminum	1953-
Fire Resistive Mastic 60-30	1952-
Fire Resistive Mastic 60-30H	1959-
Fire Resistive Mastic 60-60	1956-
Fire Resistive Mastic 60-60H	1959-
Fire Resistive Mastic 60-75	
Fire Resistive Mastic 60-75S	
Fire Resistive Mastic 60-75T	
Fire Resistive Mastic 60-76S	
Fire Resistive Mastic 60-76T	
Fire Resistive Mastic 60-77T	
Fire Resistive Mastic 90-30	
Fire Resistive Navy Sealer 30-30	1955-
Flame Res. H. Vel. Duct Sealant 30-02	1960-
Flame Res. High Velo. Duct Seal. 32-14C	1968-
Flame Res. High Velocity Duct S. 32-15	
Flextra Sealant 90-44	
Flextra Sealant 90-45	
Foster I.B.M. Fire R. Tur. Adh. No. 5	
Foster I.B.M. Fire-Ret. Deck. Ad. 81-50	
Foster I.B.M. Fireproof Adhesive 81-36	
Foster Schutzmasse 13A30	
Foster Schutzmasse 13A31	
Foster Schutzmasse 13A32	
Foster Schutzmasse 13A33	
Foster Schutzmasse 13A34	
Foster Schutzmasse 13A35	
High Velocity Duct Sealer 32-14	1962-
Hilastic Mastic 60-99	1958-
I.B.M. Asbestos Furnace Cement	
Insulation Adhesive, Part A 82A17	
Insulation Adhesive, Part B 82B17	
Legtone Coating 30-70	
Low Temperature H.I. Mastic 90-10	1962-
Mariner Adhesive 82-48	

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
Fuller, H.B. Co.	Benjamin Foster Co.	Metal Adhesive 82-01	1959-		
		Safetec Cork-Filled F. Res. A. M. 65-03	1964-		
		Safetie C.I. Mastic 65-07	1964-		
		Safetie C.I. Mastic 65-08	1964-		
		Safetie H.I. Mastic 60-80	1955-		
		Sealant 785			
		Sealant 788			
		Sealant 7C2			
		Sealant 7C7			
		Sealant 7D1			
		Sealant 7D2			
		Sealant 7D3			
		Sealant 7D8			
		Sealant 7F2			
		Sealant 7F3			
		Sealant Brush Grade, 7F5			
		Sealer 7B1			
		Sealfas G-P-M Mastic (35-00), White	1968-		
		Sealfas G-P-M Mastic (35-01), Al. Gray	1968-		
		Sealfas G-P-M Mastic (35-02), Black	1968-		
		Sealfas G-P-M Mastic (35-25), Blue Gray	1968-		
		Sealfas G-P-M Mastic (35-30), Blue	1972-		
		Sealfas G-P-M Mastic (35-32), Gold	1969-		
		Sealfas G-P-M Mastic (35-47), Green Gray	1969-		
		Sealfas G-P-M Mastic (35-49), Sea Gray	1969-		
		Sealfas G-P-M Mastic (35-53), Gray Green	1971-		
		Sealfas G-P-M Mastic (35-71), S. Gray	1973-		
		Sealfas G-P-M Mastic (45-00), White	1969-		
		Sealfas G-P-M Mastic (45-01), Al. Gray	1968-		
		Sealfas G-P-M Mastic (45-02), Black	1968-		
		Sealfas G-P-M Mastic (45-25), Blue Gray	1968-		
		Sealfas G-P-M Mastic (45-47), Green Gray	1970-		
		Sealfas G-P-M Mastic (45-49), Sea Gray	1969-		
		Sealfas G-P-M Mastic (45-71), Si. Gray	1972-		
		Sealfas G-P-M Mastic 35-03			
		Sealfas G-P-M Mastic 35-04			

(cont.)

Cements, Adhesives, Boiler Coatings



Cements, Adhesives, Boiler Coatings

(cont.)

Fuller, H.B. Co.

Benjamin Foster Co.

- Sealfas G-P-M Mastic 35-06
- Sealfas G-P-M Mastic 35-27
- Sealfas G-P-M Mastic 35-31
- Sealfas G-P-M Mastic 35-33
- Sealfas G-P-M Mastic 35-37
- Sealfas G-P-M Mastic 35-39
- Sealfas G-P-M Mastic 35-40
- Sealfas G-P-M Mastic 35-41
- Sealfas G-P-M Mastic 35-42
- Sealfas G-P-M Mastic 35-56
- Sealfas G-P-M Mastic 35-61
- Sealfas G-P-M Mastic 35-62
- Sealfas G-P-M Mastic 35-63
- Sealfas G-P-M Mastic 35-64
- Sealfas G-P-M Mastic 35-73
- Sealfas G-P-M Mastic 35-75
- Sealfas G-P-M Mastic 35-87
- Sealfas G-P-M Mastic 35-91
- Sealfas G-P-M Mastic 35-92
- Sealfas G-P-M Mastic 36-01
- Sealfas G-P-M Mastic 36-25
- Sealfas G-P-M Mastic 45-06
- Sealfas G-P-M Mastic 45-11
- Sealfas G-P-M Mastic 45-12
- Sealfas G-P-M Mastic 45-13
- Sealfas G-P-M Mastic 45-14
- Sealfas G-P-M Mastic 45-24
- Sealfas G-P-M Mastic 45-37
- Sealfas G-P-M Mastic 45-40
- Sealfas G-P-M Mastic 45-54
- Sealfas G-P-M Mastic 45-70
- Sealfas Mastic (31-24), Sand
- Sealfas Mastic (31-99), White
- Sealfas Mastic (Low Temp., Alt.)
- Sealfas Mastic (Temporary, Low Grade)
- Sealfas Mastic 31-04

1959-  
1959-  
1959-  
1959-

ge No. 69

Asbestos  
Content Type

Mfg. Years

Product Name

Manufacturer

Parent Entity

(cont.)

Cements, Adhesives, Boiler Coatings

Wyer, H.B. Co.

Benjamin Foster Co.

Sealfas Mastic 31-09  
Sealfas Mastic 31-14  
Sealfas Mastic 31-20  
Sealfas Mastic 31-21  
Sealfas Mastic 31-27  
Sealfas Mastic 31-32  
Sealfas Mastic 31-39  
Sealfas Mastic 31-49  
Sealfas Mastic 31-57  
Sealfas Mastic 31-81  
Sealfas Mastic 31-87  
Sealfas Mastic 31-96  
Sealfas Mastic 31-97  
Sealfas Mastic 31-98  
Sealfas Mastic 41-08  
Sealfas Mastic 41-09  
Sealfas Mastic 41-15  
Sealfas Mastic 41-18  
Sealfas Mastic 41-22  
Sealfas Mastic 41-24  
Sealfas Mastic 41-25  
Sealfas Mastic 41-27  
Sealfas Mastic 41-28  
Sealfas Mastic 41-31  
Sealfas Mastic 41-32  
Sealfas Mastic 41-33  
Sealfas Mastic 41-39  
Sealfas Mastic 41-41  
Sealfas Mastic 41-45  
Sealfas Mastic 41-49  
Sealfas Mastic 41-52  
Sealfas Mastic 41-53  
Sealfas Mastic 41-87  
Sealfas Mastic 41-94  
Sealfas Mastic 41-96  
Sealfas Mastic 41-97

4



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u> (cont.)					
General Refractories Co.	General Refractories Co. Grefco, Inc.	Litecast 30 Grefco Insulating Cement	1962-1973	23%	CT
Genstar Corp.	Flintkote Co.	C-13A (100-14) Corkcote Fibrex Cement	1940-1981 1950-1960 1940-1981	12% 1% 10%	
		FLI #732 (FXF Cement)	1940-1950	12%	
		FLI Railroad Car Cements			
		Flintkote Acid Proof Cement	1956-1970	15%	
		Flintkote All-Weather Mastic	1956-1982		
		Flintkote Black Joint Cement	1946-1960	25%	
		Flintkote Steadfast Cement	1954-1965	21%	
		Flintkote Viskalt finishing			
		Flintkote Weld-On Cement	1947-1982	5%	
		GF-8 Tile Cement	1940-1982	10%	
		IC Car Cement GC	1940-1968	15%	
		L & N Car Cement	1940-1968	16%	
		Missouri-Pacific Car Cement	1940-1968	13%	
		No. 1 Car Cement	1940-1968	17%	
		No. 1 Car Cement-2% Oil	1940-1968	17%	
		No. 1 Car Cement-No Oil	1940-1968	18%	
		No. 1 Car Cement-Pullman	1940-1968	13%	
		No. 2 Car Cement-No Oil	1940-1968	19%	
		No. 2004 Adhesive	1940-1966	15%	
		No. 263 Car Cement	1940-1968	16%	
		No. 338 Mindshield Sealer	1950-1960	15%	
		No. 349-1 Rubberized Asphalt	1950-1960	7%	
		No. 390 Rubberized Asphalt	1950-1960	7%	
		No. 4 Car Cement	1940-1968	16%	
		No. 407 Car Cement	1940-1968	15%	
		No. 6 Car Cement	1940-1968	15%	
		No. 729 (FXF Type)	1940-1950	13%	

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Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Cements, Adhesives, Boiler Coatings      (cont.)

Genstar Corp.	Flintkote Co.	No. 731 (F&F Type)	1940-1950	12%	
		No. 777 Rubber Cement	1940-1950	14%	
		No. 778 Rubber Cement	1940-1950	16%	
		NYC R.R. No. 1223 F-1 10% Oil Car Cement	1940-1968	19%	
		NYC R.R. No. 1223 F-1 Car Cement	1940-1968	18%	
		NYC R.R. No. 1223 F-2 10% Oil Car Cement	1940-1968	23%	
		NYC R.R. No. 1223 F-2 Car Cement	1940-1968	23%	
		NYC R.R. No. 1223 F-3 Car Cement	1940-1968	35%	
		NYC R.R. No. 1223 F-5 Car Cement	1940-1968	15%	
		R-14-C Floor Tile Cement			
		R-14-D Floor Tile Cement	1946-1965	11%	
		Rain Patch (810-25)	1969-1982	19%	
		Sewer Joint Cpd No. 293	1949-1960	14%	
		So. Railway Spl. No. 97 Car Cem. Trowel	1940-1968	29%	
		So. Railway Spl. No. 97 Car Cement Spray	1940-1968	13%	
		Spl. Sanded Premix No. 5			
		Stik-Tab Cement	1950-1965	13%	
		Super Stakool White	1948-1977	6%	
		Van Packer Jt. Cement			
		Plastic Cement 810-22	1982-		
	Genstar Corp.				
Georgia-Pacific Corp.	Georgia-Pacific Corp.	Georgia-Pacific Dry Wall Adhesive	1972-	1%	
Gibson-Komans Co.	Gibson-Komans Co.	Black-Jack Roof Cement			
		Handi-Gard Roof Cement			
Grace, W.R. & Co.	Grace, W.R. & Co.	High Temperature Insulating Cement	1945-1971	19%	CY
		Zonalite High Temperature Cement	1938-1970	20%	CY
Grant Wilson Inc.	Grant Wilson Inc.	Wilson Asbestos Insulation Cement	1935-1977		
		Wilson Furnace Cement	1935-1979		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u> (cont.)					
Greene, Tweed & Co.	Greene, Tweed & Co.	Sealing Compound			
Hercules Chemical Co., Inc.	Hercules Chemical Co., Inc.	For Heat's Sake (Sold In Large Cont.) Hercules Furnace Cement Hercules Sta-Put	1973-1983 1963-1986	7% 7% 3%	CY CY
Kaiser Aluminum and Chemical Corp.	Mexico Refractories Co.	Hard-Top Insulating & Finishing Cement			
Kaiser Cement Corp.	Kaiser Cement Corp.	Kaiser Permanente Masonry Cement Kaiser Permanente Plastic Cement (Hand) Kaiser Permanente Plastic Gun Cement Kaiser Plasteite Kaiser Gypsum Laminating Compound	1973- 1961-1973 1959-1976 1944-1945	1%	CY
Keene Corp.	Baldwin-Ehret-Hill Inc. Keene Corp.	EHRET BEH No. 1 Cement Keene (Baldwin-Hill) No. 1 Plus Keene Military Form. Of Super Powerhouse Mundet Mineral Wool Finishing Cement Mundet Mineral Wool Insulating Cement	1938-1971 1957-1971	8% 5%	CY CY
MacArthur Co.	MacArthur Co.	7-V Insulation Cements 1-V Insulation Cements No. 1 Insulation Cements No. 28 Insulation Cements	1940-1970		
Manville Corp.	Johns-Manville Corp.	Aertite Albaseal Aquapatch Cement	1920-1982 1953-1975	18% 40%	CY CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
Cements, Adhesives, Boiler Coatings Manville Corp.	Johns-Manville Corp.	Aquapatch Cement	1931-1980	92%	
		Asbestogard Adhesive	1929-1980	85%	CY
		Asbestos 7M-13	1935-1969	15%	CY, AM
		Asbestos Firetard	1940-1969	30%	CY
		Chemite Epoxy Joint Cement	1930-1969	80%	CY
		D.C. Flexstone	1929-1982	16%	CY
		Eagle-picher 33 Insulating Cement	1929-1982	17%	CY
		Fibrofil Cement	1929-1982	21%	CY
		Fil-Insul Cement	1931-1969	100%	CY
		Insulkote ET	1931-1950	57%	
		Insulkote SG	1932-1970	100%	CY
		Insulkote ST	1925-1971	19%	CY
		J-M 15A Asbestos Jacket	1858-1970	70%	CY
		J-M 300 Cement	1858-1970	70%	CY
		J-M 301 Cement	1884-1969	53%	CY
		J-M 302 Asbestos Cement Felting	1925-1969	21%	CY
		J-M 302 Fire Felt Insulating Cement	1890-1920		
		J-M 304 Cement (Asbestos Hot B. Cement)	1908-1969	60%	CY
		J-M 319 Semi-Refractory Cement	1908-1955	60%	CY
		J-M 320 Cement	1915-1969	39%	CY
		J-M 329 Cement	1930-1971	39%	CY
		J-M 340 Cement	1931-1980	50%	CY
		J-M 364 Cement	1933-1971	20%	CY
		J-M 400 Cement	1941-1969	35%	CY
		J-M 450 Cement	1931-1983	26%	CY
		J-M 45A Asbestos Jacket	1902-1970	15%	CY, AM
		J-M 500 Cement	1954-1975	41%	CY
J-M 678 Semi-Refractory Cement	1907-1976	50%			
J-M 7700 Coated Asbestos Jacket	1887-1981	20%	CY		
J-M 85% Mag Cement	1954-1975				
J-M Body Sealer	1907-1976				
J-M Colorsil	1907-1976				
J-M Fibrous Adhesive Cement	1887-1981				
J-M Heat Treating Cement	1954-1973	1%	CY, AM		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos		
				Content	Type	
<u>(cont.)</u>						
Manville Corp.	Johns-Manville Corp.	J-M No. 352 Cement	1923-1973	100%	CY	
		J-M No. 50 Asbestos Weatherproof Felt	1923-1976	55%	CY	
		J-M Thermobestos Cement	1959-1969	14%	CY, AM	
		J-M Thermonix 700 Cement	1966-1970	60%	CY	
	J.M. No. 15 Tri-Shield Comb. Pipe Wrap					
	Laplite Cement		1938-1954	17%	CY	
	MX-3808 Asbestos Filler		1951-1970	55%	CY	
	Navy 450 Cement		1941-1972	39%	CY	
	Modrseal		1947-1975	59%	CY	
	Suprex (Cement)		1922-1973	15%	CY, AM	
	Suprex Cement For Navy		1941-1957	20%	CY	
	Thermonix 720 Cement		1966-1970	60%	CY	
	Thermonix 770		1966-1970	60%	CY	
	Thermonix 810 Cement		1966-1970	60%	CY	
Minnesota Mining & Mfg. Co.	Johns-Manville, H.M. Co.	Type I Modrseal	1954-1975	55%	CY	
		Uniseal	1947-1975	59%	CY	
		Asbestile Cement	1930-1982	22%	CY	
		Asbestile Fibrous Mineral				
		Asbestile Liquid Cement				
		Fireite Furnace Cement				
		J-M Roof Cement				
		3M Sealers	1924-1973	4%	CY	
		3M Vet Adhesives	1935-1986			
Mobil Oil Corp.	Mobil Oil Corp.	35-J-8 Gilonastic	1964-1979	14%		
		46-F-7 High Heat Dum Dum	1964-1980	13%		
		46-J-9 Armorcote	1964-1979	6%		
		95 Series Dum Dum Masonic	1964-1979	15%		
		97 Series Chimney Dum Dum	1964-1979	5%		
		Bituminous Black 35-J-1000	1951-1964			
		Black Putty 77-916	-1973	15%		
		Dum Dum Nail Hole 77-171	-1973	2%		



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u>					
<u>(cont.)</u>					
Mobil Oil Corp.	Mobil Oil Corp.	Dum Dum Nail Hole 77-539	-1973	2%	
		Dum Dum Nail Hole 77-739	-1973	2%	
		Dum Dum Nail Hole 77-740	-1973	2%	
		Dum Dum Nail Hole 77-742	-1973	2%	
		Dum Dum Nail Hole Walnut	-1973	2%	
		Dum Dum Nail Hole-171	-1973	2%	
		Dum Dum Nail Hole-569-N-1379 Bone White	-1973	2%	
		Dum Dum Nail Hole-739	-1973	2%	
		Dum Dum Nail Hole-742	-1973	2%	
		Dum Dum Super White	-1973	2%	
		Dum Dum Travertine	-1973	2%	
		Heating & Ventilating Dum Dum (46-X-9)	1964-1969		
		Heavy Fibrous Coating Black 35-J-1631	1952-1964		
		Mahogany Dum Dum	-1973	2%	
		Nail Hole, Dum Dum (569-N-1343)	-1973	2%	
National Gypsum Co.	National Gypsum Co.	All-Purpose-Joint Cement	1935-1976	45%	CY
		Crown Coat Cement	1935-1976	45%	CY
		Gold Bond Asbestos 7M-2 Thermal In. Cem.	1953-1956	6%	
		Gold Bond Laminating Adhesive	1970-1974	1%	CY
		Gold Bond Laminating Adhesive A	1954-1978	12%	CY
		Gold Bond Mortar/Special Asb. Cmt. Mix	1944-1946	10%	
		Gold Bond No. 340-N Insulating Cement	1941-1957	10%	
		Goldbord Rockwool No. 340 Insul. Cmt.	1935-1976	45%	
		Joint Cement	1935-1976	45%	
		Topping Cement	1935-1976	45%	
		Tri-Treatment Cement	1935-1976	45%	CY
Nicolet, Inc.	Nicolet, Inc.	Beater Addition No. 578	1962-1980		
		Nicolet 7 M Asbestos Cement	1939-1960		
		Nicolet Asbestos Boiler Jacket	1939-1965		
		Nicolet Asbestos Tank Jackets	1939-1963		
		Nicolet Cement Products (High T. Cement)	1962-1964		CY
		Nicolet Finishing Cement	1962-1964	30%	CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>(cont.)</u>					
Nicolet, Inc.	Nicolet, Inc.	Nicolet Furnace Cement Nicolet Monobestos Nicolet Segments	1939-1960 1962- 1939-1963		CY CY
Porter, H.K. Co.	Porter, H.K. Co.	Bonding Mortar No. 20 Duoflex Laco	1958-1974 1958-1974 1958-1974	1X 3X 1X	
Quigley Co., Inc.	Quigley Co., Inc.	Quigley Waterproof Cement	1959-1974	6X	
Re-Mu-It Corp.	Re-Mu-It Corp.	Re-Mu-It Mu Side			
Rock Wool Mfg. Co.	Rock Wool Mfg. Co.	Delta Maid AF Cement Delta Maid High Temp Insulating Cement Delta Maid High Temp. Master Cement Delta Maid One Shot Insulating Cement	1958-1970 1958-1970	1X 1X 1X	CY CY CY
		High Temp-Master			
Rutland Fire Clay Co.	Rutland Fire Clay Co.	Rutland Boiler Covering Rutland Furnace Cement Rutland Ready-Mixed Joint Cement	1920-1977	5X 5X	CY CY

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Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u> (cont.)					
Rutland Fire Clay Co.	Rutland Fire Clay Co.	Rutland Roofing Cement No. 4	1910-1977	10%	CY
		Rutland Roofing Cement No. 7	1910-1977	10%	CY
		Rutland Wallboard Joint Cement	1900-1978	5%	CY
Ryder Industries, Inc.	Ryder Industries, Inc.	1-GP Cement			
		Thermokote Pointing & Finishing Cement			
Schulte Paint and Lacquer Mfg. Co.	Indianapolis Paint & Color Co.	Nu-Da Plastic Asbestos Roof Cement			
Spraycraft Corp.	Asbestospray Corp.	Asbestospray Adhesive			
I & N plc	Keasbey & Mattison Co.	152 Asbestos Cement Amberex No. 2 Cement Insulating Cements K & M Range Boiler Jacket			
Union Carbide Corp.	Union Carbide Corp.	Prestone Heavy Duty Sealer			
Uniroyal, Inc.	Goodrich, B.f. Co.	B.f. Goodrich Adhesives	1960-1983		CY
United Gilsomite Laboratories, Inc.	United Gilsomite Laboratories, Inc.	Nudeck Plastic Roof Cement			
United States Gypsum Co.	United States Gypsum Co.	Cement Plaster Regular Perf-A-Tape Cement	1943-1947 1944-1976	5%	CY
		USG Range Boiler Jackets Pipe Covering	1936-1939	91%	

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cements, Adhesives, Boiler Coatings</u>					
UMR Industries, Inc.	Umarco Industries, Inc.	Asbestos Seals Insutube	1957-1960		
		Umarco Insulating Cements			
<u>Electrical Products</u>					
American Steel and Wire Corp.	American Steel & Wire Co. (The)	Amerbestos Flameproof			
Atlas Turner, Inc.	Atlas Turner, Inc.	Atlas Turner Monobestos	1948-1975	38%	CY, AM
Cablec Corp.	Anaconda Wire and Cable Co.	Cable Continental Switchboard Wire Continental Wire And Cable Varnished-Cambria Cable Vinyl Asbestos Smokeless Cable	1942-1945 1966-1977 1941-1951 1971-1977		
Dossert Corp.	Dossert Mfg. Corp.	Asbestosm Limiter Terminal Asbestosm Shell			
Emerson Electric Co.	United States Electrical Co.	Asbestosite			
Empire Ace Insulation Mfg. Corp.	Empire Ace Insulation Mfg. Corp.	Resisto	1959-1960	18%	CY
Manville Corp.	Johns-Manville Corp.	55 Cable Fireproofing Tape Asbestom Asbestos Ebony Conduit Type II Transit Electrical Duct Electrobestos J-M "S" Asbestom	1956-1982 1923-1970 1911-1985 1929-1983	72% 6% 75% 25%	CY CY CY CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Electrical Products

(cont.)

Hanville Corp.	Johns-Manville Corp.	Korduct Type II Transite Electrical Duct	1929-1983	25%	CY
		Miagrite Cable Fireproofing			
		Miagrite Felt	1911-1973	98%	CY
		Quinorgo	-1975	95%	
		Quinorgobord No. 1100			
		Quinorgobord No. 1200			
		Quinterrabord	-1975	95%	
		Quintex II	-1975	95%	
		Telgard			
Minnesota Mining & Mfg. Co.	Minnesota Mining & Mfg. Co.	3M Heating Elements	1965-1970	9%	
		3M Laminated Sheets	1955-1964		
		Irvington Arc Proofing Tapes & Blankets			
Nicolet, Inc.	Nicolet, Inc.	Nicolet Ebonized Asb. Boards Or Sheets	1962-		
		Nicolet Ebonized Electric Board	1962-		
Okonite Co. (The)	Okonite Co. (The)	Okobestos			
		Okonite Aerial Cable #16			
		Okonite Aerial Cable #37			
		Okonite Railway Wires & Cables			
		Okonite Single Conductor			
		Okonite Submarine Cables			
Raymark Industries, Inc.	Raymark Industries, Inc.	Raymark Cable Filler	1938-1982	100%	CY
Rockbestos Co.	Rockbestos Products Corp.	'Hi-Temp' Mire			CY
		Moistemp			CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Electrical Products

(cont.)

Rockbestos Co.	Rockbestos Products Corp.	Moistemp Rockbestos A.V.C. Power Cable			CY
Thermo Electric Co.	Thermo Electric Co.	Ataaf Wire TMEL Thermo Cable Thermo Electric Wire			
Union Carbide Corp.	Union Carbide Corp.	General Purpose Bakelite Heat Resistant Bakelite High Impact Heat Resistant Bakelite	1939-1974 1939-1974 1939-1960	12% 30% 50%	
United States Gypsum Co.	United States Gypsum Co.	USG ThermaLux (Generic)	1961-1965		
USX Corp.	US Steel Corp.	USX Tiger Brand Electrical Wire & Cable			
Armstrong World Industries, Inc.	Armstrong World Industries, Inc.	Armaspray Armstrong Emulsions Armstrong Finishes Armstrong Mastics Armstrong Sealers CC Navy Sealer LT Sealer	1966-1968 1939-1957 1939-1957 1939-1957 1939-1957 1942-1962 1942-1962	8%	CY, AM
Atlas Turner, Inc.	Atlas Asbestos Co. Ltd.	Atlas Finish Decorative No. 100 Atlas Finish Decorative No. 110* Atlas Finish Decorative No. 120 Atlas Finish Decorative No. 130			







Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
<u>Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)</u>					
Fuller, H.B. Co.	Benjamin Foster Co.	Foamseal Coating 57-80A	1960-		
		Foamseal Sealant 30-45			
		Foster I.B.M. Asphalt Fibre Roof Coating			
		Foster I.B.M. Asphalt P. Roof Cement			
		Gray Caulking Compound 95-08			
		Gray Sealant 7C9			
		H.I. Mastic 90-07	1941-		
		Heat Resistant Metal Coating 60-48			
		Insulation-Sealer Undercoating 51-04			
		Insulfas 60-40			
		Lagtone (31-40), Light Blue	1956-		
		Lagtone (31-45), Dark Blue	1956-		
		Lagtone (31-60), Light Green	1956-		
		Lagtone (31-65), Dark Green	1956-		
		Lagtone (31-70), Yellow	1956-		
		Lagtone (31-80), Buff	1956-		
		Lagtone (31-90), Gray	1956-		
		Lagtone (31-95), Black	1956-		
		Lagtone 31-47			
		Lagtone 31-52			
		Lagtone 31-56			
		Lagtone Coating (30-21), Aluminum	1962-		
		Lagtone Coating (30-21A), Aluminum	1962-		
		Lagtone Coating 30-70	1951-		
		Lagtone Coating 30-70A			
		Lagtone Coating 31-36			
		Lagtone Coating 31-55			
		Lagtone Coating 31-60A			
		Lagtone Coating 34-01			
		Masonry Coating 30-44			
		Protection Kote 30-01	1953-		
		Sealfas			
		Sealfas 30-36			
		Tite-Fit Coating 30-35	1943-		
		Tite-Fit Coating 30-56	1965-		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

Fuller, H.B. Co.

Benjamin Foster Co.

Title-Fit Coating 30-67  
 Underbody Deadener 20-7  
 Undercoating 6E1  
 White Insulation Coating (30-76)  
 White Insulation Coating 30-79

1952-  
 1952-

GAF Corp.

GAF Corp.

GAF Coverkote  
 Ruberoid Weather Coat Emulsion  
 GAF Ruberoid Roofing Asphalt  
 Ruberoid T/NA-MS  
 Ruberoid Roofing Asphalt

28%  
 CY

Garland Co.

Garland Co.

Supercote Black  
 Supercote Roof Preservative

Genstar Corp.

Flintkote Co.

A-G's Coating  
 C-13-AM (Winter Grade)  
 C-13-C4 (800-13)  
 C-13-LA (Light)  
 C-13-SA  
 C-19 (110-14)  
 C-19 (40-14)  
 C-20  
 Colorcoat  
 Decobase (920-05)  
 Decobase (920-06)  
 Decocolor MP (920-27)  
 Decoral (920-04)  
 Decoral Heavy Duty Seal Coat  
 Decoturf (920-30)  
 FLI Aluminum Roof Coating (810\*19)  
 FLI C-13-AW  
 FLI Colorcoat

1947-1970  
 1962-1970  
 1940-1982  
 1947-1965  
 1954-1965  
 1954-1981  
 1965-1967  
 1960-1975  
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 1950-1978  
 1969-1982  
 1962-1970  
 1960-1975

15%  
 9%  
 3%  
 4%  
 2%  
 25%  
 20%  
 6%  
 6%  
 6%  
 6%  
 25%  
 6%  
 13%  
 9%  
 6%

Current Entity Plasters, Protective Coatings, Fireproofing Compounds, Paints (cont.) Manufacturer Flintkote Co. Product Name Mfg. Years Content Asbestos Type

Plasters, Protective Coatings, Fireproofing Compounds, Paints (cont.)

Genstar Corp.

Flintkote Co.

FLI Rexalt Roof Coating	-1970	6%	
Flintdek			
Flintkote Acrylic Pavement Coating	1974-1977	3%	
Flintkote Decolor "HP" 920-27			
Flintkote Fiber Roof Coating	1945-1982	9%	
Flintkote Filler Coat (900-20)	1964-1982	6%	
Flintkote Filler Coat Binder (900-15)			
Flintkote No. 55 Sta-Kool (810-18)	1940-1950	20%	
Flintkote Plastic Armor Putty	1950-1960	26%	
Flintkote Plastic Foundation Coating	1940-1950	10%	
Flintkote Rex. Const. Plastic Binder			
Flintkote Roof Coating Fibrated			
Flintkote Spraykote			
Flintkote Vapor Seal	1951-1978	5%	
Formguard Coating (830-11)	1970-1976	1%	
FR-100 (130-25)	1960-1978	8%	
FR-200 (110-26)	1966-1970	15%	
FR-300 (120-14)	1960-1978	6%	
Hydrostatic Mastic	1973-1982	16%	
Levelkote (800-39)		3%	
Monofom C			
M-13-C4	1960-1961	3%	
NFR 300	1960-1975	3%	
No. 14 Emulsion	1954-	6%	
No. 16 Underbody Coating	1954-1960	9%	
No. 201 Insulation Coating	1950-1960	12%	
No. 213 Underbody Coating			
No. 222 Underbody Coating	1950-1960	14%	
No. 227 Underbody Coating	1950-1975	17%	
No. 229 Anti-Sweat CPP	1947-1978	12%	
No. 230 Spray-On Beadener	1950-1960	5%	
No. 242 Asphalt Cutback	1950-1965	13%	
No. 245 Asphalt Cutback	1950-1974	30%	
No. 247 Asphalt Cutback	1950-1960	6%	
No. 252 Binderseal	1940-1960	16%	
No. 255 Asphalt Cutback	1950-1960	22%	

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

Genstar Corp.	Flintkote Co.	No. 260 Export Box Sealer	1951-1960	9%	
		No. 276 Asphalt Cutback	1950-1960	10%	
		No. 32 Coating	1959-1965	10%	
		No. 54 H.C. Insulation Coating	1954-1970	4%	
		No. 54 Insulation Coating	1954-1970	4%	
		No. 632 Coating	1956-1965	1%	
		No. 69 Insulation Coating	1940-1970	11%	
		No. 810-19 Aluminum Roof Coating	1969-1982	13%	
		No. 830-11 Coating	1956-1965		
		Mu-Static	1954-1981	6%	
		Plastic Cement (810-21)	1940-1982	19%	
		Rexalt Roof Coating	1950-1981	15%	
		Rexglas	1969-1981	3%	
		Skykote #430 C	1974-1982	2%	
		Static Asphalt			
		Georgia-Pacific Corp.	Georgia-Pacific Corp.	Tennis Court Resurfacer	
Thermal-kote (100-15)	1940-1982			19%	
Trowel Mastic	1961-1981			25%	
Unimastic 150					
Unimastic 152					
Dry Mixed Joint Compound	1956-1977			7%	
Georgia-Pacific All Purpose Joint Compo	1967-1977				
Georgia-Pacific Bedding Compound	1956-1977				
Georgia-Pacific Central Mix	1970-1973				
Georgia-Pacific Joint Compound	1956-1976				
Georgia-Pacific Laminating Cp'd Ready Mx.	1969-1975				
Georgia-Pacific Lite Acoustic Plaster	1950-1969				
Georgia-Pacific Patching Plaster	1956-1975				
Georgia-Pacific Spackling Compound	1956-1971				
Georgia-Pacific Texture	1956-1974			12%	
Georgia-Pacific Topping Compound	1956-1977				

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)</u>					
Georgia-Pacific Corp.	Georgia-Pacific Corp.	Georgia-Pacific Triple Duty Joint	1965-1976	1%	
		GP Drywall Adhesive	1972-	4%	
		GP Laminating Compound	1969-	30%	
		GP Machine Applied Acoustical Plaster	1958-1963		
		GP Patching	1956-1975	2%	
		GP Spackling	1956-1971	5%	
		GP Trowel Applied Acoustical Plaster	1956-1959	3%	
		GP Wet Mixed Joint Compound	1963-1977	5%	
		Katite	1956-1959		
		Speed Set	1962-1974		
Gibson-Homans Co.	Gibson-Homans Co.	Black Jack Liquid Roof Coating			
		Handi-Gard Foundation Coating			
Grace, W.R. & Co.	Grace, W.R. & Co.	Ari-Zonolite Texture			
		Econo-White 65	1956-1970	15%	CY
		Econo-White 70	1956-1970	15%	
		Ez-Tex		14%	CY
		Gun Coat Spray Surfacer	-1973		
		Mi-Sorb Acoustical Plaster	1973-		
		Pericoustic		17%	CY
		Peritex Fog	-1973	7%	CY
		Peritex Poly	-1973	5%	CY
		Peritex Polycoarse	-1973	5%	CY
		Peritex Spray Surfacer	-1973	11%	CY
		Peritex Super-40	-1973		
		Peritex Super-40 Fog	-1973	6%	CY
		Peritex Super-40 Perlite	-1973	7%	CY
		Peritex Super-40 Poly	-1973	5%	CY
		Peritex Super-40 Polycoarse	-1973	5%	CY
		Peritex Super-40 SAV	-1973	6%	CY
		Peritex Super-40 Spray Surfacer	-1973		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
Grace, W.R. & Co.	Grace, W.R. & Co.	PlasterTex	-1973	6%	CY
		Prep Coat No. 3	-1973	5%	CY
		Prep Coat No. 4			
		Spra-Wyt			
		Super 40			
		Versakote			
		Z-Tex			
		Z-Tex 2			
		Z-Tex 2 Super White			
		Zono-Coustic	1959-1973		
		Zono-Coustic (MK-2)	1959-1973		
		Zono-Coustic 1	1959-1973		
		Zono-Coustic 2	1959-1973		
		Zono-Coustic 3	1959-1973		
		Zono-Coustic Type 2	1945-1972		
Kaiser Cement Corp.	Kaiser Gypsum Co.	Zonolite Acoustical Plaster/Plaster	1962-	12%	CY
		Zonolite Board Of Education Texture	1950-1974	13%	CY
		Zonolite Finish Coat (Decorator's White)	1961-1974	13%	CY
		Zonolite Finish Coat (Extra Hard)	1958-1969	20%	CY
		Zonolite Mono-kote (MK-1)	1959-1973	14%	CY
		Zonolite Mono-kote (MK-3)			
		Zonolite Mono-kote Fireproofing (MK)			
		Zonolite Monokote 5(Back)			
		Zonolite Monokote 5(Front)			
		Zonolite Plaster			
		Zonolite Spra-Insulation (MK-2)	1960-1972	12%	CY
		Zonolite Spra-Tex (Extra Hard)	1961-1972	32%	CY
		Zonolite Spra-Tex (Regular)	1955-1972	33%	CY
		Filler Compound			
		Kaiser Gypsum 3-purpose Empd. Powder	1952-1967	5%	CY
Kaiser Gypsum Cover-Tex (Texture, Paint)	1968-1975	8%	CY		
Kaiser Gypsum Cover-Tex Wall Texture	1953-1975	11%	CY		

Asbestos

Content

Mfg. Years

Product Name

Manufacturer

Current Entity

Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
Kaiser Cement Corp.	Kaiser Gypsum Co.	Kaiser Gypsum Joint Compound-Powder		10%	CY
		Kaiser Gypsum X-Spray Ceiling Texture	1961-1975	7%	CY
		Kaiser Gypsum Kaiser-Tex (Texture Paint)	1952-1967		CY
		Kaiser Gypsum Mineral Fibreboard		2%	CY
		Kaiser Gypsum One-Day Joint Cmpd. Powder		3%	CY
		Kaiser Gypsum Premix Dual Purpose Cmpd.		6%	CY
		Kaiser Gypsum Premix Finishing Cmpd.		2%	CY
		Kaiser Gypsum Premix Joint Compound		6%	CY
		Kaiser Gypsum Radiant Heat Compound			
		Kaiser Gypsum Radiant Heat Surf. Cmpd.			
		Kaiser Gypsum Spray Cover-Tex	1952-1967		CY
		Kaiser Gypsum Spray-Tex (Texture Paint)	1952-1967		CY
		Radiant Heat Joint Compound			
		X-Terior Premix Prefill Compound			CY
		X-Terior Premix Wall Texture Compound			CY
Keene Corp.	Keene Corp.	Keene BEH Mono-Spray	1963-1970	13%	CY
		Pyrospray	1963-1971	32%	CY
		Pyrospray S	1963-1971	22%	CY
		Pyrospray T	1963-1971	15%	CY
		Uni-Coustic	1963-1971	22%	CY
Manville Corp.	Johns-Manville Corp.	Branchite	1954-1974	50%	CY
		H-Navaseal			
		MF-Navaseal	1951-1975	48%	CY
		J-M Asb. Fibrous Roof & Found. Coating	1955-1975	27%	CY
		J-M Asbestos Caulking Putty			
		J-M Asbestos Fibrous Enamel			
		J-M Asbestos Roof Putty			
		J-M Industrial Vent Caulking	1957-1974	53%	CY
		J-M Snap Strap Sealer Ribbon	1975-		
		J-M Stove Putty	1934-1971	25%	CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos	
					Type	
<u>Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)</u>						
Manville Corp.	Johns-Manville Corp.	Transoseal	1947-1974	47%	CY	
	Johns-Manville, Inc.	Zeroseal	1934-1982	69%	CY	
		Burxseal				
Minnesota Mining & Mfg. Co.	Minnesota Mining & Mfg. Co.	3M Caulks	1935-1986			1%
		3M Centerlite	1940-1987			17%
		3M Greenlite Powder	1976-			
		3M Beat Protective Products - (Rolls)	1955-1976			1%
		3M Hot Melt Sunset Resin	1968-1986			
		3M Solid Pavement Material	1973-1986			
		3M Sticky Tar Caulking	1935-1940			
Mobil Oil Corp.	Mobil Oil Corp.	35-J-14 Asgum Roof Coating-Plastic	1964-1980	14%		
		35-J-702 Asgum Roof Coating-Plastic	1966-1980	10%		
		35-J-807 Fibrated Asphaltic Roof Coating	1964-1985	15%		
		90 Series Mobiltex Coatings	1965-1970	5%		
		Aluminum Asbestos Fibered Coating	1971-1980	5%		
		Asgum Roof Coating				10%
		Asgum Roof Coating-Liquid				12%
		Asphalt Aluminum Fiber Coating 35-A-701				10%
		Asphalt Aluminum Fiber Coating 35-A-702	1957-1975			
		Dum Dum Cartridge Caulk 46-W4	1964-1968			
		Dum Dum Cartridge Caulk 46-W5	1964-1969			10%
		Dum Dum Caulk 46-F-6	1964-1969			
		Dum Dum Caulk 47-W3	1964-1969			10%
		Dum Dum Caulk Gun-Grade 46-F-3	1964-1969			3%
		Dum Dum Caulking 46-F-5	1964-1979			
		Fibrous Coating Black Roof Coating	1952-1964			
		Latex Block Filler 79-U-8	1964-1978			5%
Montello, Inc.	Montello, Inc.	Visbestos				



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
National Gypsum Co.	National Gypsum Co.	47-2 Topping <sup>m</sup> Compound	1935-1976	45%	
		47-W Base Coat	1933-1949	40%	CY
		47-W Top Coat	1933-1949	40%	CY
		All Weather Caulking Compound	1953-1974		
		Craftco Cement Paint	1938-1952	1%	CY
		68 Acoustical Plaster	1949-1968	10%	CY
		Gold Bond All-Purpose Joint Compound	1935-1975	45%	CY
		Gold Bond Block-Fill	1959-1968	24%	CY
		Gold Bond Cover Crete	1951-1965	9%	CY
		Gold Bond Craftax	1930-1976	29%	
		Gold Bond Decorite	1930-1976	29%	CY
		Gold Bond E-2 Spray Texture	1959-1972	15%	CY
		Gold Bond E-2 Tex	1930-1976	29%	CY
		Gold Bond Exterior Stucco	1930-1949	1%	CY
		Gold Bond Fibered Plaster	1937-1971	1%	CY
		Gold Bond Finisher	1935-1975	45%	CY
		Gold Bond Fire-Shield Plaster	1958-1970	25%	CY
		Gold Bond Joint Compound	1935-1975	45%	CY
		Gold Bond Latex/Stipple Texture Paint	1957-1968	10%	
		Gold Bond Patching Plaster	1936-1970	3%	CY
		Gold Bond Quik-Treat Joint Compound	1935-1976	45%	
		Gold Bond Ready Mixed Compound	1935-1975	45%	CY
		Gold Bond Ready Mixed Joint Cement	1935-1975	45%	CY
		Gold Bond Ready Mixed Joint Compound	1935-1975	45%	CY
		Gold Bond Shadowall	1930-1976	29%	
		Gold Bond Spray-On Acoustical Plaster	1955-1956	21%	CY
		Gold Bond Sprayolite	1956-1973	21%	CY
Gold Bond Super Westex	1930-1976	29%	CY		
Gold Bond Texas Texture	1930-1976	29%	CY		
Gold Bond Texture Paint	1930-1976	29%	CY		
Gold Bond Topping Compound	1935-1975	45%	CY		
Gold Bond Tri-Treatment Joint Compound	1935-1975	45%	CY		
Gold Bond Unfibered Plaster	1966-1968	1%	CY		
Gold Bond Velvet Joint Compound	1935-1975	45%	CY		
Gold Bond Velvet Spray Quick Texture	1959-1972	15%	CY		

Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)</u>					
National Gypsum Co.	National Gypsum Co.	Gold Bond Velvet Texture A/R	1930-1976	20%	CY
		Gold Bond Velvet Topping Compound	1935-1975	45%	CY
		Gold Bond Velvet White Super Spray	1959-1972	15%	CY
		Gold Bond Vinyl Texture	1930-1976	29%	CY
		Gold Bond Wall Spray	1959-1972	15%	CY
		High Humidity Type C Acoustical Plaster	1952-1956	7%	CY
		Macoustic Smooth Finish	1933-1949	40%	CY
		Macoustic Standard	1933-1949	40%	CY
		Panelectric Groove Fill	1969-1972	5%	CY
		Perfect Spray	1959-1972	15%	CY
		Perfo-Lyte Acoustical Plaster	1955-1972	10%	CY
		Q-W Compound	1935-1976	45%	
		Rockwall Acoustic Plaster	1936-1948	6%	
		Spackling Compound	1951-1953	1%	
		Spackling Paste	1962-1968	3%	CY
		Spray Quick A	1959-1972	15%	CY
		Ste-Smooth Compound	1935-1976	45%	
		Thermacoustic	1949-1963	21%	AM
		Thermo-Weid Compound	1935-1976	45%	
		Two-In-One Compound	1935-1976	45%	
		Type "C" (Acoustical Plaster)			
		Velvet Triple-T Compound	1935-1976	45%	
		Vinyl Topping Compound	1935-1976	45%	
		Wesco Joint Treatment	1935-1975	45%	CY
		Wood Fibered Plaster 10 Lb. Bag	1934-1971	1%	
Quigley Co., Inc.	Quigley Co., Inc.	Quigley Damit	1940-1970	11%	
Raymar Industries, Inc.	Raybestos-Manhattan, Inc.	Ablatube			

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

Rutland Fire Clay Co.	Rutland Fire Clay Co.	Mo-Tar-In			
		No-Tar-In Roof Coating Rutland Ready-Mixed Joint Compound		10%	CY
Schulte Paint and Lacquer Mfg. Co.	Indianapolis Paint & Color Co.	Mu-Da Mobile Home Aluminum Roof Coating Mu-Da Plastic Foundation Coating			
T & H plc	Kearsbey & Mattison Co. Turner & Newall Ltd.	Kamatt Turner & Newall Spray Limpet Asbestos	1932-1974	60%	CY, AK, CR
Tennat Ltd.	Roberts, J.W. Ltd.	Limpet Spray			
Union Carbide Corp.	Union Carbide Corp.	Union Carbide Tre-Mold			
United Gilsonite Laboratories, Inc.	United Gilsonite Laboratories, Inc.	Nudeck			
United States Gypsum Co.	United States Gypsum Co.	"Sheetrock" Texture Aggregated Spray Audicote Acoustical Plaster Audicote Satin White Audicote Special White Bondcrete Durabond Joint Compound Durabond Topping Coat	1964-1976 1954-1972 1940-1943 1962-1976	5% 3% 26% 26% 23% 5% 5%	CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
United States Gypsum Co.	United States Gypsum Co.	Gypsum Plaster	1967-1968	3%	CY
		Ki-Lite Acoustical Plaster	1954-1972		
United States Gypsum Co.	United States Gypsum Co.	Imperial "QT" (Spray) Tex. Finish NC-LC	1966-1976	5%	
		Imperial "QT" (Spray) Tex. Finish PCR	1967-1976	5%	
		Imperial "QT" (Spray) Texture Finish	1966-1976	2%	
		Imperial "QT" (Spray) Texture Finish MC4	1967-1972	5%	
		Imperial "QT" (Spray) Texture Finish-LC	1965-1968	5%	
		Imperial "QT" (Spray) Texture Finish-Re.	1964-1976	5%	
		Imperial Catalyst			
		Imperial Finish Plaster			
		Imperial Plaster Base			
		Imperial QT			4%
		Imperial QT Spray	1965-1976		2%
		Imperial QT Spray Tex. Finish-E.R. Fine	1964-1974		3%
		Imperial QT Texture	1964-1976		5%
		Imperial Wood Fibre Plaster	1945-1972		1%
		Kemidol Joint Compound	1971-1976		5%
		Oriental Exterior	1930-1975		1%
		Oriental Exterior Stucco Finish Coat	1930-1973		1%
		Pyrobar Mortar Mix	1969-1972		1%
		Ready-Mixed Imperial "QT" Spray Finish	1966-1967		
		Red Top			
Red Top Acoustical Plaster	1961-1966		10%		
Red Top Cement Plaster			1%		
Red Top Cement Plaster For M. Applic.	1961-1966		1%		
Red Top Firecode Plaster	1959-1964		13%		
Red Top Gypsum Plaster F. Machine Applic	1962-1966				
Red Top Patching Plaster	1929-1951		1%		
Red Top Wood Fibre Plaster (Mach. App.)	1959-1972		1%		
Sabinite "A"/Sabinite Hydrocal			4%		
Sabinite "B"			4%		
Sabinite "F"			4%		
Sabinite "H" And Sabinite Special White			6%		

Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
United States Gypsum Co.	United States Gypsum Co.	Sabinite "IF"		5%	
		Sabinite 38 (Hydraulic)	1930-1964	3%	
		Sabinite Acoustical Plaster		4%	
		Sheetrock Radiant Heat Filler	1971-1972	7%	
		Spray Texture Paint White	1959-1976	3%	
		Spray Texture Paint/Finish	1955-1972	1%	CT
		Structolite Plaster			
		Texolite Joint Compound	1963-1976	5%	CT
		Texolite Paint Products			
		Texolite Texture	1961-1967	5%	
		Textone Texture	1944-1975	5%	
		U.S.G. Exterior Texture Wallbd. Finish	1971-1973	4%	
		USG "QT" Sim. Acoustical Spray Texture	1963-1973	5%	
		USG A-B Tex Texture Paint	1935-1973	2%	
		USG Aggregated Spray Finish	1964-1971		
		USG Asbestos Fibre Coating	1931-		
		USG Cover Coat Joint Compound	1964-1976	5%	CT
		USG Durabond 90 Joint Compound	1970-1976	5%	CT
		USG Durabond 902 Joint Compound	1970-1976	5%	CT
		USG Durabond All Purpose & XL Jt. Compd.	1970-1976	5%	CT
		USG Durabond Paste Spackling Putty	1952-1976	5%	CT
		USG Firecode D	1959-1964	12%	
		USG Firecode V	1964-1970	13%	CT
		USG Imperial Gypsum Cement Plaster			
		USG Imperial Sanded Plaster	1963-1975	3%	
		USG Improved Spray Texture	1920-1976	5%	CT
		USG Joint Compound (Generic)		5%	
		USG Multi Purpose Special White	1963-1976	10%	
		USG Multi-Purpose Texture Finish	1942-1972	1%	CT
		USG Oriental Interior Finish Plaster	1952-1975	3%	
		USG Paste Spackling Putty (Generic)	1948-1972	1%	CT
		USG Red Top Cover Coat Finish Plaster	1962-1970	13%	CT
		USG Red Top Firecode "W" Plaster	1930-1935	1%	CT
		USG Red Top Trowel Finish			

Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)

United States Gypsum Co.

United States Gypsum Co.

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos	
					Type	Type
<u>Plasters, Protective Coatings, Fireproofing, Compounds, Paints (cont.)</u>						
United States Gypsum Co.	United States Gypsum Co.	USG Sanded, Colored, Texture Paint	1952-1955	4%		
		USG Sheetrock Radiant Heat Sim. Ac. Tex.	1970-1972	6%		
		USG Sheetrock Simulated Acoustical Spray	1963-1966	4%		
		USG Sheetrock Smoothcoat Texture	1965-1974	1%		
		USG Simulated Acoustical S. Tex./Finish	1959-1964	8%		
		USG Smooth Hard Finish Texture	1968-1969	5%		
		USG Special Texture Paint	1955-1972	4%		
		USG Spray Texture R		2%		
		USG Spray Texture/Finish	1959-1976	5%		
		USG Spraydon Powercote Thermal Insul.	1969-1971	30%		
		USG Spraydon S. A Fireproofing Plaster	1965-1971	30%		
		USG Spraydon Standard G Fireproofing P.	1968-1970	8%		
		USG Super Hard Spray	1968-1969	1%		
		USG Texolite Block Filler	1958-1966			
		USG Texolite Dry Filt Texture	1959-1961	8%	CY	
		USG Texolite Drywall Surfacer	1961-1977	5%	CY	
		USG Texolite Paste Spackling Putty	1952-1976	10%		
		USG Textone Texture Paint	1928-1974	8%		
		USG Texture	1958-1976	3%		
		USG Texture Paint	1930-1976	3%		
USG Texture XII		3%				
USG Texture XII, Super Vinyl	1970-1976	3%				
XH White		2%				
United States Mineral Products Co.	Cafco United States Mineral Products Co.	Cafco Blaze Shield	1958-1971	25%	CY	
		Cafco Blaze-Shield	1965-1971	25%	CY	
		Cafco Blaze-Shield Type D	1960-1971	30%	CY	
		Cafco Cominco	1958-1971	25%	CY	
		Cafco Heat-Shield	1954-1971	25%	CY	
		Cafco Patching Fiber	1964-1971	25%	CY	
		Cafco Power-Shield	1958-1964	25%	CY	
		Cafco Sound-Shield	1954-1958	30%	CY	



Protective Clothing

(cont.)

A-Best Products Co.

A-Best Products Co.

- A-Best No. 275 HJ-LWRAAF
- A-Best No. 311
- A-Best No. 311-LLTK
- A-Best No. 313
- A-Best No. 313-LLTK
- A-Best No. 318
- A-Best No. 318-LLTK
- A-Best No. 323
- A-Best No. 323-LLTK
- A-Best No. 343-BWA (Coats)
- A-Best No. 343-LWRAAF
- A-Best No. 343-LWMB
- A-Best No. 347-BWA
- A-Best No. 347-LWRAAF
- A-Best No. 347-LWMB
- A-Best No. 411
- A-Best No. 411-B
- A-Best No. 411A-B
- A-Best No. 411B-B
- A-Best No. 4123-B
- A-Best No. 413
- A-Best No. 418
- A-Best No. 423
- A-Best No. 504-13-FF
- A-Best No. 51-SA-11
- A-Best No. 51-SA-14
- A-Best No. 51-SA-18
- A-Best No. 51-SA-23
- A-Best No. 5111 (Gloves)
- A-Best No. 5111-AAB
- A-Best No. 5111-AB
- A-Best No. 5114
- A-Best No. 5114-AAB
- A-Best No. 5114-AB
- A-Best No. 5118
- Best No. 5118-AAB



Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Protective Clothing

-(cont...)

A-Best Products Co.

A-Best Products Co.

- A-Best No. 5118-AB
- A-Best No. 5123
- A-Best No. 5123-AAB
- A-Best No. 5123-AB
- A-Best No. 5211
- A-Best No. 5214
- A-Best No. 5218
- A-Best No. 5223
- A-Best No. 5411
- A-Best No. 5414
- A-Best No. 5418
- A-Best No. 5423
- A-Best No. 5511
- A-Best No. 5511-B-Spec.
- A-Best No. 5514
- A-Best No. 5514-B-Spec.
- A-Best No. 5518
- A-Best No. 5518-B-spec.
- A-Best No. 5523
- A-Best No. 5523-B-Spec.
- A-Best No. 5811
- A-Best No. 5814
- A-Best No. 5818
- A-Best No. 5823
- A-Best No. 5L-111-AB
- A-Best No. 5L-111-AB-BT
- A-Best No. 5L-111-SA
- A-Best No. 5L-114-AB
- A-Best No. 5L-114-AB-BT
- A-Best No. 5L-114-SA
- A-Best No. 5L-118-AB
- A-Best No. 5L-118-AB-BT
- A-Best No. 5L-118-SA
- A-Best No. 5L-123-AB
- A-Best No. 5L-123-AB-BT
- A-Best No. 5L-123-SA

Asbestos  
Type

Mfg. Years Content

Product Name

Manufacturer

Current Entity

Protective Clothing

(cont.)

A-Best Products Co.

A-Best Products Co.

- A-Best No. 6-W11-B
- A-Best No. 6-W13-B
- A-Best No. 6-W18-B
- A-Best No. 6-W23-B
- A-Best No. 611
- A-Best No. 613
- A-Best No. 618
- A-Best No. 623
- A-Best No. 711
- A-Best No. 713
- A-Best No. 718
- A-Best No. 723
- A-Best No. 85
- A-Best No. 9-L-11-AB
- A-Best No. 9-L-13-AB
- A-Best No. 9-L-18-AB
- A-Best No. 9-L-23-AB
- A-Best No. 911
- A-Best No. 913
- A-Best No. 918
- A-Best No. 923
- A-Best No. A18 X 24-B (Apron)
- A-Best No. A18 X 24-W
- A-Best No. A20 X 24-B
- A-Best No. A20 X 24-W
- A-Best No. A24 X 30-B
- A-Best No. A24 X 30-W
- A-Best No. A24 X 36-B
- A-Best No. A24 X 36-W
- A-Best No. A24 X 40-B
- A-Best No. A24 X 48-B
- A-Best No. A30 X 48-B
- A-Best No. AB-27-BWA
- A-Best No. AB-27-LUNAAF
- A-Best No. AB-27-LUHB
- A-Best No. ABX-27-BWA

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Protective Clothing

(cont.)

A-Best Products Co.

A-Best Products Co.

- A-Best No. ABX-27-LWHAAF
- A-Best No. ABX-27-LWHB
- A-Best No. AK-27-BMA
- A-Best No. AK-27-LWHAAF
- A-Best No. AK-27-LWHB
- A-Best No. AL18 X 24-B
- A-Best No. AL18 X 24-W
- A-Best No. AL20 X 24-B
- A-Best No. AL20 X 24-U
- A-Best No. AL24 X 30-B
- A-Best No. AL24 X 30-W
- A-Best No. AL24 X 36-B
- A-Best No. AL24 X 36-U
- A-Best No. AL24 X 40-B
- A-Best No. AL24 X 48-B
- A-Best No. AL30 X 48-B
- A-Best No. AZ 506-11
- A-Best No. AZ 506-14
- A-Best No. AZ 506-18
- A-Best No. AZ 506-23
- A-Best No. AZ-111
- A-Best No. AZ-113
- A-Best No. AZ-118
- A-Best No. AZ-123
- A-Best No. AZ-911
- A-Best No. AZ-913
- A-Best No. AZ-918
- A-Best No. AZ-923
- A-Best No. AZ18 X 24-B
- A-Best No. AZ18 X 24-U
- A-Best No. AZ20 X 24-B
- A-Best No. AZ20 X 24-U
- A-Best No. AZ24 X 30-B
- A-Best No. AZ24 X 30-U
- A-Best No. AZ24 X 36-B
- A-Best No. AZ24 X 36-U

Protective Clothing

(cont.)

A-Best Products Co.	A-Best Products Co.	A-Best No. AZ24 X 40-B A-Best No. AZ24 X 48-B A-Best No. AZ30 X 48-B A-Best No. D-16 A-Best No. H-11 A-Best No. H-13 A-Best No. H-18 A-Best No. H-23 A-Best No. H-38-LMMAAF A-Best No. H-38-LMMAAF-AF A-Best No. H-5-AF A-Best No. HA-2-W (Hard Pads) A-Best No. K-5-AF (Leggings) A-Best No. K-5-LMMAAF A-Best No. K-5-LMMAAF-AF A-Best No. S-5-AF (Spats) A-Best No. S-5-LMMAAF A-Best No. S-5-LMMAAF-AF A-Best No. SP-S-500 BL 3F A-Best No. SP-S-501-BL 3F		
Advance Glove Mfg. Co.	Advance Glove Mfg. Co.	Advance Asbestos Glove Advance Barbecue Chef Asbestos Gloves		
American Optical Corp.	American Optical Co.	1511 Short Glove 1514 Leather Reinforced Asbestos Glove 1523 Long Gauntlet Glove		
Genco	American Optical Corp. Genter, C.O. Co.	514 Plain Asbestos Glove American Optical Asbestos Hood Kool-Vent Inco Safety Supplies		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Protective Clothing (cont.)

Guard Line Inc.	20th Century Glove Corp.	Guard-Line Asbestos Gloves Guard-Line Clothing Guard-Line No. 319 Apron			
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OKI Supply Co.	OKI Supply Co.	OKI Coronado Line			
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Steel Grip, Inc.	Industrial Gloves Co.	Kool-Grip Fireproof Gloves Old Hickory Steel Grip Steel Grip Industrial Gloves Steel-Grip Industrial Safety Apparel		83%	83%
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Wheeler Protective Apparel, Inc.	Safety First Industries, Inc.	Asbestos (Cleangard Impregnated) S.F.I. Fire King Suits S.F.I. Silvestos Second Helpers Heat Mask SFI Protective Clothings Solar-Gard Asbestos Wheeler Weave Asbestos Gloves & Mittens Wheeler Protective Apparel		83%	
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Pipe Covering and Block

Armstrong World Industries, Inc.	Armstrong World Industries, Inc.	Nonpareil High Pressure Covering & Block	1909-1932		
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Atlas Turner, Inc.	Atlas Asbestos Co. Ltd.	Atlasite Newtherm			
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Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Pipe Covering and Block</u>					
Atlas Turner, Inc.	Atlas Turner, Inc.	Atlas Turner Aircell	1950-	75%	CY
		Atlas Turner Finecell	1950-1970	75%	CY
		Atlas Turner Newalls 85% Magnesia	1950-1963	10%	AM, CY
		Atlas Turner Newalls Neutemphit	1950-1963	10%	AM, CY
		Atlas Turner Simplex	1950-1969	75%	CY
		Atlasite	1950-1973	85%	AM
		Newtherm	1964-1974	10%	AM, CY
Celotex Corp.	Celotex Corp.	Carey 85% Mag Pipecovering & Block	1906-1961	15%	
		Carey Aircell Pipe Covering & Block	1906-1970	60%	
		Carey Alltemp Pipe Covering & Block	1954-1958	12%	
		Carey Asbestos Sponge Pb	1930-1960	60%	
		Carey Hi-Temp #12 PCB And Cement	1906-1952	20%	
		Carey Hi-Temp #15 PCB And Cement	1906-1952	20%	
		Carey Hi-Temp #19 PCB	1906-1958	20%	
		Carey Lennolite	1935-1969	60%	
		Carey Multi-Ply Pipecovering & Block	1930-1960	60%	
		Carey Super-Light 85% Magnesia	1951-1958	85%	
		Carey Temp-Check PCB	1942-1958	25%	
		Careycel PB (Pipecovering & Block)	1920-1960	60%	
		Careytemp 2000 Block And Cement	1945-1970	6%	
		Careytemp Aluminum Jacketed Pipe Insul	1961-1968	7%	
		Careytemp Pipe Insulation	1958-1969	7%	
		Careytemp Premolded Elbow Insulation	1963-	7%	
		Carocel Pipe Covering	1925-1960	60%	
		Defendex Pipe Covering	1906-1970	60%	
		Dual Careytemp Pipecovering	1964-1967	20%	
		Excel PB (Piping & Block)	1925-1960	60%	
		Fyrex P	1964-1970	60%	
		Glosscell PB	1955-1960	60%	
		Careytemp			
		Aircell			
	Philip Carey Mfg. Co. Smith & Kanzler Corp.				

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Pipe Covering and Block</u> (cont.)					
Combustion Engineering, Inc.	Combustion Engineering, Inc.	Combustion Eng. Kaiser H Block	-1971	2%	CY
		Griptex Min. Wool Block	1964-1972	2%	CY
		No. 12 Insulating Block	1963-1966	6%	AM
		No. 19 Insulating Block	1963-1966	5%	AM
	Refractory & Insulation Corp.	#12 Insulation Block			
Detrick, M.H. Co.	Detrick, M.H.	Griptex	1956-1964		
		N.H. Detrick Block Insulation	1936-1956	2%	CY
Eagle-Picher Industries, Inc.	Eagle-Picher Co.	Eagle Picher 85% Magnesia Pipe Covering	1956-1960		
		Supertemp Block	1938-1945	4%	
		Tab-Lok Pipe Insulation			
	Eagle-Picher Industries, Inc.	Epitherm 1200			
Empire Ace Insulation Mfg. Corp.	Empire Ace Insulation Mfg. Corp.	Empire Ace Aircell Boards	1959-1984	18%	CY
		Empire Ace Aircell Pipecovering	1959-1984	18%	CY
Empire Asbestos Products, Inc.	Empire Asbestos	Empire Asbestos Label			
Fibreboard Corp.	Fibreboard Corp.	Aircell			
		Caltemp	1952-1968	12%	
		Supercaltemp	1965-1971	12%	
	Fibreboard Paper Products Corp.	Inhibited Pabco Super Caltemp Type #A			
		Pabco Caltemp Block Insulation			
		Pabco Caltemp Pipe Insulation			
		Pabco Precision Molded 85% Magnesia			
		Pabco Super Caltemp			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Pipe Covering and Block

(Cont.)

Fibreboard Corp.

Fibreboard Paper Products Corp.  
Plant Rubber and Asbestos Works

Pabco Super Caltemp  
Plant 85% Magnesia Block Insulation

Foster Wheeler Corp.

Forty-Eight Insulations, Inc.

Insulating Block  
Webers HT Block/HT Block 1930-1968 3% CY

GAF Corp.

GAF Corp.

Celastestos/Aircell Pipe Cov., Blk, Sht 1928-1958  
GAF Anti-Sweat Pipe Covering 1936-1958  
GAF Aristo Insulation  
GAF Calsilite SS 1960-1971 14% AM  
GAF Calsilite-Hi 1960-1971 14% CY  
GAF Frost-Proof Pipe Covering 1928-1959  
GAF Woolfelt Pipecovering Insulation 1936-1960  
Ruberoid Imperial Laminated Pipecovering 1936-1960  
Ruberoid Sponge felt Laminated Ins. 1936-1960  
Watcoell/Supercell Sheets & Block 1928-1962  
Calsilite 1944-1971 14% CY

Ruberoid Co.

General Refractories Co.

General Refractories Co.

WK-17 Industrial Block Insulation

Genstar Corp.

Flintkote Co.

Weldon Cement

Grant Wilson Inc.

Grant Wilson Inc.

Asbestos Jr. Handy Roll 1962-1974  
Cal-Sil Pipe Covering 1962-1971  
Cal-Sil Sheets & Blocks 1962-1971  
Wilson Air Cell Sheets & Blocks 1935-1982  
Wilson Asbestos Air Cell Corrugated Roll 1935-1982  
Wilson Asbestos Air Cell Pipe Covering 1935-1973



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Pipe Covering and Block</u>					
Grant Wilson Inc.	Grant Wilson Inc.	Wilson Asbestos Handy Rolls	1952-1982		
		Wilson Asbestos Household Rolls	1955-1982		
Green, A.P. Industries, Inc.	Green, A.P. Industries, Inc.	Therm-O-Flake Coating	1963-1965	18%	
Keene Corp.	Ehret Magnesia Mfg. Co. Keene Corp.	Ehret Pipe Covering (85% Magnesia)	1938-1945	10%	CY, AM
		Durant Insulated Pipe Covering	1924-1955	10%	CY, AM
		Enduro Pipe Covering Block And Cement	1904-1964	15%	AM
		Keene (Ehret) 85% Magnesia	1941-1968	1%	AM
		Mono-Block	1901-1963		
		Thermalite/ 85% Magnesia	1956-1972	10%	AM
		Thermasil			
		Thermasil Block			
		Thermasil Pipe			
	Mundet Cork Corp.	Mundet 85% Magnesia Pipe Covering			
MacArthur Co.	MacArthur Co.	MacArthur Company Low Pressure Pipe Cove	1913-1955		
Manville Corp.	Johns-Manville Corp.	Anti-Sweat	1903-1965	72%	CY
		Asb. Combination Spiral Pipe Insulation	1931-1936		
		Asbestocel	1902-1975	98%	CY
		Asbestocel Sectional Pipe Insulation	1902-1975	98%	CY
		Champion Sectional Covering	1903-1920	59%	CY
		Eureka Covering			
		Express Wool felt Sectional Pipe Cov.	1923-1975	59%	CY
		fine Corrugated Asbestocel Sheet/Block	1908-1924	98%	CY
		Indented Pipe Insulation	1902-1970	15%	CY, AM
		J-M 85% Magnesia Block, Pipe Insulation			
		J-M 85% Magnesia Locomotive Lagging			
		J-M Asbestocel Fine Corrugated			
		J-M Asbestocel Sheet/Block			
		J-M Asbestos "Navy Brand" Fire Felt	1902-1975	98%	CY
			1902-1925		CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos		
				Content	Type	
Pipe Covering and Block						
Manville Corp.	Johns-Manville Corp.	J-M Asbestos "Mavy Brand" Fire Felt Cov.	1902-1925		CY	
		J-M Asbestos Air Chamber Covering	1880-1895			
		J-M Asbestos And Hair Felt Covering	1891-1900			
		J-M Asbestos Comb. Spiral Pipe Insulation	1931-1936		CY	
		J-M Asbestos Molded Blocks	1900-1920			
		J-M Asbestos Moulded Sectional Covering	1891-1920		CY	
		J-M Asbestos Sectional Covering	1888-1890		CY	
		J-M Asbestos Sponge (felted, Sect., Mol)	1890-1959		CY	
		J-M Equality Sheet/Block	1908-1911			
		J-M High Temperature Insulation	1924-1926			
		J-M Perfection Pipe Covering	1903-1911			
		J-M Safety Blow-Off Covering	1903-1920			
		J-M Standard Sectional Covering		59%	CY	
		Magma		1908-1911		
		Metal-On		1959-1974	14%	CY, AM
		Metal-On Metal		1959-		
		Min-K				
		Min-K 1301		1958-1975	12%	AM
		Min-K 2000		1959-1975	12%	AM
		Min-K 500		1958-1977	5%	AM
National Sectional Covering		1891-1903				
Silicated Thermobestos		1966-1974	14%	CY, AM		
Sonite Block		1969-1975	5%	AM		
Superex 1900 Sheet/Block		1922-1975	12%	CY, AM		
Superex 2000 Sheet/Block		1971-1972	12%	CY		
Superex-Sg Sheet/Block		1969-1973	10%	CY, AM		
Therm-O-Bestos Sheet/Block		1937-1947		CY, AM		
Thermo-Wrap Sheet/Block		1939-1975		CY		
Thermobestos		1930-1974	14%	CY		
Superex	Johns-Manville, Inc.	1930-1971	15%	CY		
National Gypsum Co.	National Gypsum Co.	Asbestos Jackets For Pipe Covering flexfelt #400	1941-1945			







Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Friction/Automotive Materials</u>					
(cont.)					
Abex Corp.	Abex Corp.	American Brake Materials	1930-	65%	CY
		American Brakeblock	1974-1980	65%	CY
		American Eagle		65%	CY
		Comet		65%	CY
		Crossing Guard	1975-	65%	CY
		Esline	1965-	65%	CY
		Stopper	1966-	65%	CY
		Velvetouch Organic	1963-1970	65%	CY
	American Brake Shoe & Foundry Co.	ABK Bearings			
Allied-Signal Inc.	Allied-Signal Inc.	Bendix (Hydraulic) Assemblies & Shoes	1934-		
		Bendix Brake Assemblies & Lined B. Shoes	1932-		
		Bendix Brake Blocks	1948-1988	35%	CY
		Bendix Clutch Facings	1975-1978	44%	CY
		Bendix Disc Brake Pads	1963-1988	50%	CY
		Bendix Lined Disc Brakes & Shoes	1966-		
		Bulls-Eye Brake Linings	1939-1948	50%	CY
		Eclipse Brake Linings	1939-1987	50%	CY
		EDF Brake Linings	1946-1987	50%	CY
		FK Brake Linings	1955-1987	50%	CY
		Friction King Brake Linings	1960-1987	50%	CY
		Friction King Disc Brake Pads	1979-1987	50%	CY
		Marshall Brake Linings	1939-1988	50%	CY
		Master Brake Linings	1945-1987	50%	CY
		S.L. Brake Linings	1939-1972	50%	CY
		Stade (Moven Flexible Lining)	1939-1940		
		WM Brake Linings	1937-1971	50%	CY
	Bendix Corp.	Bendix Brake Lining	1939-	50%	CY
Amsted Industries, Inc.	Griffin Wheel Co.	Griffin Wheel Composition Brake Shoes	1965-1976		
Anchor Packing Co.	Anchor Packing Co.	Ankorite Brake Linings, Style 52			

Friction/Automotive Materials

(cont.)

Anchor Packing Co.	Anchor Packing Co.	Ankorite Clutch Facings Style 52 Ankorite Silent Grip Ankorite Silent Grip, Style 52-SG Ankorite Wire Back, Style 52-WB Ankorite Woven & Molded Brk. Blks. S.52 Paddle & Cup Liners & Uprighter P. 698 Silent Grip		
Carlisle Companies Inc.	Carlisle Corp.	Carlisle Brave Carlisle Chief Carlisle Premium Carlisle Standard Mold Block	1971-1980 1960-1973 1973-1985 1980-1985 1949-1971	
Chrysler Corp.	Chrysler Corp.	Chrysler Brake Linings Chrysler Clutch Facings		50% CY
Dana Corp.	Victor Mfg. and Gasket Co.	Asbestoprene VS-23351-P		
Friction Materials, Inc.	P.T. Brake Lining Co.	PT Disc Brake Pads		
Fuller, H.B. Co.	Benjamin Foster Co.	Sound Deadener 20-20		
Gatke Corp.	Asbestos Textile Co.	Aztec Brake Lining		
Lear Siegler Holdings Corp.	Lear Siegler Holdings Corp.	Lear Siegler Brake Edge Casing Lear Siegler Brake Lining Lear Siegler Brake Pads Lear Siegler Brake Puc		52% CY 52% CY 52% CY 52% CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Friction/Automotive Materials</u>					
Lear Siegler Holdings Corp.	Lear Siegler Holdings Corp.	Lear Siegler Drum Segment	1938-1975	52%	CY
	Worldbestos Co.	Worldbestos Brake Lining		60%	CY
Manville Corp.	Johns-Manville Corp.	J-M Asbestos Metallic Brake Blocks	1892-1972	30%	
		J-M Asbestos Metallic Clutch Facings	1892-1972	50%	
		J-M Brake Lining (Industrial)	1892-1972	60%	
		J-M Cobra Railroad Brake Block/Lining	1892-1980	60%	
		J-M Custom Four Star Brake Linings	1892-1972	60%	
		J-M Gear Tooth Clutching	1892-1972	50%	
		J-M HDM Clutch Facings	1892-1972	50%	
		J-M High Friction Level Brake Block	1892-1972	30%	
		J-M Jonanco Friction Tape			
		J-M Low Friction Brake Blocks	1892-1972	30%	
		J-M Medium Friction Level Brake Blocks	1892-1972	30%	
		J-M Spiral Wound Clutch Facings	1892-1972	50%	
		J-M STM Clutch Facings	1892-1972	50%	
		J-M Swab Clutch Facings	1892-1972	50%	
		J-M Trailiners Brake Blocks	1892-1972	30%	
		J-M Trukliners Brake Blocks	1892-1972	30%	
		J-M UMS Clutch Facings	1892-1972	50%	
		J-M MK Brake Linings	1892-1972	90%	
Maremont Corp.	Maremont Corp.	Grizzly Mg 12 (Drum Lining)	1941-1977	53%	
		Grizzly Mg 1289 (Brake Block)	1941-1977	39%	
		Grizzly Mg 14 (Brake Block)	1941-1977	33%	
		Grizzly Mg 15 (Brake Block)	1941-1977	39%	
		Grizzly Mg 1556 (Brake Block)	1941-1977	41%	
		Grizzly Mg 17 (Brake Block)	1941-1977	41%	
		Grizzly Mg 18 (Drum Lining)	1941-1977	57%	
		Grizzly Mg 22 (Brake Block) # 2	1941-1977	42%	
		Grizzly Mg 23 (Brake Block)	1941-1977	32%	
		Grizzly Mg 25 (Drum Lining)	1941-1977	52%	
		Grizzly Mg 26 (Drum Lining)	1941-1977	51%	
		Grizzly Mg 27 (Brake Block)	1941-1977	34%	





Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Friction/Automotive Materials

(cont.)

Raymark Industries, Inc.

Raybestos-Manhattan, Inc.  
Raymark Industries, Inc.

		Raybestex Asb. Cover & Pad Set			CY
		Balanced Brake Set BB			CY
		Balanced Extra Performance BXP			CY
		Dynamold Dms Drum Brake			CY
		Grey Rock			
		Grey Rock Balanced Brake Set			
		Grey Rock Myrbac			
		Greyrock 4020 (S-3375-0)			
		Pyrotorque With Steel Back		50%	
		Raymark "314" 4000 Series Brake Block			
		Raymark "BT" Drum Brake			
		Raymark "EL" Disc Brake			
		Raymark "PG"			CY
		Raymark "PG" Disc Brake			
		Raymark "PG" Drum Brake			
		Raymark "PGBUS" Drum Brake			
		Raymark "PGP" Disc Brake			
		Raymark "PGP" Drum Brake			
		Raymark "PGPX" Drum Brake			
		Raymark "PGR" Disc Brake			
		Raymark "PGR" Drum Brake			
		Raymark "PGRX" Drum Brake			
		Raymark "PGTPI" Drum Brake			
		Raymark "PGTWC" Drum Brake			
		Raymark "R/W"			CY
		Raymark "Raymold" Disc Brake			
		Raymark "RT" Clutch Facing			
		Raymark Automatic Transmission Plates			
		Raymark Best-O-Metal Clutch Facing		50%	CY
		Raymark Eagle Roll Linings			CY
		Raymark F & C 1000			CY
		Raymark F & C 1500			
		Raymark FW Roll Linings			
		Raymark Industrial Set 320,000 Series			

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Friction/Automotive Materials

(cont.)

Raymark Industries, Inc.

Raymark Industries, Inc.

		Raymark Industrial Sets 7000 Series			
		Raymark Industrial Sets 8000 Series			
		Raymark Industrial Sets 9000 Series			CY
		Raymark Keylock			
		Raymark M-635 T Roll Linings			
		Raymark M2010 Roll Linings			
		Raymark M3578 Roll Linings			
		Raymark M98 Roll Linings			
		Raymark Master Blocks			
		Raymark Molded Reinforced Clutch Facing		50%	CY
		Raymark Multibestos			
		Raymark New Molded Clutch Facing		50%	CY
		Raymark Pyro-Boin			
		Raymark Pyro-Torque		50%	CY
		Raymark Ray Bond			
		Raymark Raybestos			CY
		Raymark Raybestos RIF (S-3375-0)			CY
		Raymark Rayco			CY
		Raymark Raylok		50%	CY
		Raymark Raymett		50%	CY
		Raymark Red Demon Disc Brake			
		Raymark RIC 1000			
		Raymark RIV Roll Linings			CY
		Raymark RP Disc Brake			
		Raymark RR Disc Brake			
		Raymark RSS Slabs			
		Raymark Semi-Metallic Clutch Facing		50%	CY
		Raymark Silver Edge			
		Raymark Special Raylock Clutch Facing		50%	CY
		Raymark Special Veelock Clutch Taping		50%	CY
		Raymark Steel Backed Clutch Facing		50%	CY
		Raymark Timber King			
		Raymark Veelock		50%	CY
		Raymark Moven Clutch Facing		50%	CY
		Raymond RP Drum Brake			
		Raymond RR Drum Brake			

Asbestos  
Content Type

Mfg. Years

Product Name

Manufacturer

Current Entity

Friction/Automotive Materials (cont.)

Raymark Industries, Inc.	Raymark Industries, Inc.	Raymond RTP Drum Brake Wiremold WM Wiremold WMP Wiremold WMPSC Wiremold WMS			
Standco Industries, Inc.	Standard Brake Lining Co.	Standco			
T & M plc	Keasbey & Mattison Co.	Ferodo "FZ" Brake Lining Ferodo 137M-6 Ferodo Bonded Asbestos Brake Lining Ferodo Brake Linings			
TBA Industrial Products, Ltd.	TBA Industrial Products, Ltd.	TBA Transmission Belting			
Uniroyal, Inc.	Goodrich, B.F. Co.	B.F. Goodrich Aircraft Brakes B.F. Goodrich Automobile Brakes B.F. Goodrich Disc Brakes B.F. Goodrich Expander-Tube Brakes B.F. Goodrich Light Duty Truck Brakes Rocket Motor Insulation	1940-1985 1930-1985 1940-1985 1940-1985 1930-1985 1959-1985	25% CY	
UNR Industries, Inc.	Unarco Industries, Inc.	Brake-Linings	1920-1942		
Combustion Engineering, Inc.	Combustion Engineering, Inc.	Combustion Eng. Block Stick Expansion Joint Mat. Gunitul Lite Mate 22	1963-1972 1963-1966 1963-1966 1969-1972	22% 100% 1% 10%	CY AM AM CY

Refractory Products

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Refractory Products</u>					
<u>(cont.)</u>					
Combustion Engineering, Inc.	Combustion Engineering, Inc.	Lite Mate 50	1969-1972	10%	CY
		Mix A	1963-1972	6%	CY
Detrick, H.H. Co.	Detrick, H.H.	Calcrete No. 30	1950-1964	8%	CY
		Calcrete No. 40	1950-1964	8%	CY
		Calcrete No. 50	1950-1964	8%	CY
		Griptex Mineral Wool Block	1956-1964	2%	CY
Dresser Industries, Inc.	Harbison-Walker Refractories Co.	Exkase Nucon	1964-1980	1%	CY
		Exkase Nucon 60	1964-1980	1%	CY
		Guidon			
		Guidon Sr			
		H-W 16-76			
		H-W 26-72			
		H-W 28-68			
		H-W Lightweight Castable 10/H-W 37-55	1955-1975	10%	
		Magnex	1937-		
		Magnex H			
		Magnex DHR			
		Metalkase Chromex 8	1964-1970		
		Metalkase H-W 31-73	1973-1980		
		Metalkase Nucon 50	1964-1980	1%	CY
		Metalkase Nucon 60	1964-1980	1%	CY
		Metalkase Nucon 80	1974-1974	1%	CY
		Micacrete 7			
		Micacrete 7/H-W 21-63	1963-1975	30%	
		Nucon	1964-1980		
		Nucon 50			
		Nucon 60			
		Nucon 80	1964-1980		
		Oxibak H			
		Tabexkase Nucon 60	1964-1980	1%	CY
		Tabexkase Nucon 80	1976-1976	1%	CY

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Refractory Products</u>					
Eagle-Picher Industries, Inc.	Eagle-Picher Co.	DE No. 85 Block	1947-1953	10%	
		DE No. 95 Block	1949-1953	10%	
		Vercel Block	1937-1944	8%	CY, AM
General Refractories Co.	General Refractories Co.	Steelklat Dibond 60 BIAE	1967-1978		
Green, A.P. Industries, Inc.	Green Fire Brick Co. (MO), A.P. Green, A.P. Fire Brick Co.	A.P. Green Kast-O-Lite	1966-1972	1%	
	Green, A.P. Industries, Inc.	Mizzou Gr	1953-1972	2%	
		SK-7	1947-1972	16%	
		A.P. Green Insulation Adhesive	1955-1972	8%	
		Castable Block Mix	1965-1972	1%	
		Castable Mix 204	1970-1972	1%	
		Greencast 22 L GR	1967-1972	1%	
		Greencast 94 GR	1968-1972	1%	
		Greencast 97 GR	1967-1972	1%	
		Greencast 97 L GR	1970-1972	1%	
		Kast-O-Lite 30 GR	1956-1972	1%	
		Kast-O-Lite GR	1966-1972	1%	
		Lo Abrade Gr	1966-1972	1%	
		MC-30			
		No. 36 Refractory Cement			
		Steelkon 8F	1970-1972	1%	
		Steelkon GR	1967-1972	1%	
		Steelplant Castable B	1960-1972	1%	
International Minerals & Chemicals Corp.	International Minerals & Chemicals Corp. Plastic K-N		1966-1974	1%	CY
Kaiser Aluminum and Chemical Corp.	Kaiser Refractories Mexico Refractories Co.	Kaiser Vee-Block Mix			
		Hardtop Refractories			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Refractory Products</u>					
Manville Corp.	Johns-Manville Corp.	Cellite			
		Cellite 545	1936-1940	50%	CY, AM
North American Refractories Co.	MARCO (North American Refractories)	Aerogun	1971-1979	10%	CY
		Anti-Erode	1963-1977	1%	CY
		BOF-Cote	1966-1975	2%	CY
		BOF-Patch	1965-1975	4%	CY
		CM Gun Mix	1963-1973	2%	CY
		CM-18 Gun Mix	1963-1977	1%	CY
		MC-Gun Mix	1963-1975	2%	CY
		Marcocast Es Fine Trowel	1963-1977	1%	CY
		Marcocrete Trowel	1963-1977	2%	CY
		Marcogun CM-343	1964-1977	1%	CY
		Marcogun Co	1965-1977	1%	CY
		Marcogun CR-346	1964-1975	1%	CY
		Marcogun CR-346 MH	1965-1976	1%	CY
		Marcogun CRD-347	1964-1975	1%	CY
		Marcogun MC-339	1964-1975	1%	CY
		Marcogun P-340	1964-1976	1%	CY
		Marcogun PD-345	1964-1977	1%	CY
		Marcogun SD-336	1964-1977	1%	CY
		Narcolite	1961-1977	2%	CY
		Narmag 60 DBRC	1970-1980		CY
		Narmag OH Gun Mix	1974-1976	1%	CY
		Super 505 Hot Gun C	1964-1977	1%	CY
		WD-339 McGun	1964-1975	1%	CY
<u>(cont.)</u>					
Manville Corp.	Johns-Manville Corp.	Quigley Insuleg	1935-1974	10%	
		Quigley Insulag Bof	1970-1974	15%	
		Quigley Insutbox	1935-	10%	
		Quigley Insuline	1940-1970	15%	
		Quigley Panelag	1940-1974	20%	
North American Refractories Co.	MARCO (North American Refractories)	Quigley Panelbond			
		Quigley Co., Inc.			
		Quigley Co., Inc.			
		Quigley Co., Inc.			
		Quigley Co., Inc.			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>(cont.)</u>					
<u>Refractory Products</u>					
Quigley Co., Inc.	Quigley Co., Inc.	Quigley Panels	1940-1974	20%	
Ryder Industries, Inc.	Ryder Industries, Inc.	Fast-Set Thermokote 1	1963-	1%	CY
Thiem Corp.	Thiem Corp.	Uni-Board Fiber Inserts Uni-Board Fiber Sideboard Uni-Flex Fiber Rings (A) Uni-Flex Fiber Rings (B)	1969-1975 1972-1975 1970-1975 1970-1975	11% 11% 8% 22%	CY, AH CY, AH CY AH
<u>Hot Tops/Steelmaking</u>					
ARMCO, Inc.	ARMCO Steel Corp.	Armco Asbestos-Bonded			
Dresser Industries, Inc.	Harbison-Walker Refractories Co.	HW Chromepak G/H-W 26-63	1963-1975	1%	
Kaiser Aluminum and Chemical Corp.	Kaiser Aluminum and Chemical Corp.	K-N Plastic Chrome Ore	1974-1977	1%	CY
Manville Corp.	Johns-Manville Corp.	Marimet 45 Molten Metal Marinite	1970-1985 1962-1980	44% 40%	AH AH
Oglebay Norton Co.	Oglebay Norton Co.	M & D Ferroboard Ferroboard			AH AH



Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Cement/Plastic Pipe</u>					
Atlas Turner, Inc.	Atlas Turner, Inc.	Atlas Turner Building Sewer Pipe	1962-	16%	CY, AM
		Atlas Turner Gravity Sewer Pipe	1960-	17%	CY, AM
		Atlas Turner Pressure Pipe	1958-	18%	CY, AM
		Atlas Turner Soil Pipe	1965-	17%	CY, AM
CAPCO Pipe Co.	Cement Asbestos Products Co.	Capco Permaflex Waterpipe			
CertainTeed Corp.	Certain-teed Corp.	CertainTeed Asbestos-Cement Pipe	1962-	24%	
GAF Corp.	GAF Corp.	Eternit Pressure Pipe			
Genstar Corp.	Flintkote Co.	Flintkote Asbestos Cement Pipe	1962-1977	16%	
		Flintkote Fiber Pipe	1959-1972	2%	
Keene Corp.	Keene Corp.	Keene (Ehret) Durant Insulated Pipe	1938-1945	5%	CY
Manville Corp.	Johns-Manville Corp.	J-M Chemtite Fittings			
		J-M Transite Telephone Ducts	1902-1983	25%	
		J.M. Chemtite Ring-tite			
		Silt-Tek			
		Super Temp-Tite Pipe			
		Transite Ring-Tite Asbestos Cement Pipes	1929-1983	25%	
		Tuff-Link			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
(cont.)					
<u>Cement/Plastic Pipe</u>					
T & N plc	Kearbey & Mattison Co.	Asbestos Cement Air-Duct Certain-feed Fluid Tile			
		K & M Fluid-Tite			
<u>Floor Tile</u>					
Armstrong World Industries, Inc.	Armstrong Cork Co.	Custom Excelon Tile Excelon Tile			
	Armstrong World Industries, Inc.	Armstrong Asphalt Tile Armstrong Rubber Tile Armstrong Vinyl Asbestos Tile Armstrong Vinyl Composition Tile	1931-1972 1955-1966 1954-1982		
Celotex Corp.	Celotex Corp.	Carey Asphalt Floor Tiles	1930-1975	40%	
Congoleum Corp.	Congoleum Industries, Inc. Congoleum-Mairn, Inc.	Supertile Gold Seal Tile Persian Tile Sparklewood Tile Vinylbest Tile	1959-1975 1967- 1953-		
GAF Corp.	GAF Corp.	Casablanca Vinyl Asbestos Tile Contico Fashioncraft GAF A-1 Vinyl Floors GAF Vinyl Asbestos Floor Tile Luran Airtred Ruberoid Thru Chip Vinyl Asbestos Tile Sure-Stik Tile			

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Floor Tile

-(cont.)

GAF Corp.	GAF Corp.	Vinylflex Floor Tile			
	General Aniline & Film Corp.	Foamcraft Vinyl Foam Flooring			
	Ruberoid Co.	Antiqua			
		Luxan "100 Plus" Airtred Vinyl Floors			
		Luxor Vinyl Floors			
		Stoneglow			
Genstar Corp.	Flintkote Co.	"Brick" Non-Surface Decorated Products		15%	
		"Calaveras" Surface Decorated Products		15%	
		"Classic Royale" Non-Surface Dec. Tiles		6%	
		"Classic" N.-Surface Dec. Tiles 71S7		6%	
		"Colonial Stone" Surface Dec. Products		14%	
		"Daventry" Non-Surface Dec. Products		15%	
		"Flex Marble" Non-Surface D. Tiles 71S7		6%	
		"Flexlate" Non-Surface Dec. Products		15%	
		"Madison" Non-Surface Dec. Products		15%	
		"Parquette" Surface Decorated Products		15%	
		"Piedra" Surface Decorated Products		15%	
		"Special Series" Surface Dec. Products		15%	
		"Travertine" Non-Surface D. Tiles 71S7		6%	
		"Travertine" Non-Surface Dec. Products		15%	
		"Tyrno" Surface Decorated Products		15%	
		"Vinyl Asbestos" Surface Dec. Products		15%	
		1/16" Microflex Floor Tile (7R-3 Asb.)		46%	
		1/16" Microflex floor Tile 71S-101 Asb.		24%	
		1/16" Rendezvous Floor Tile (7R-3 Asb.)		8%	
		1/8" Flexchrome Floor Tile (7R-3 Asb.)		16%	
		1/8" Flexchrome Floor Tile 71S-101 Asb.		17%	
		Classic Floor Tile Asbestos Fiber 71S-7		10%	
		Economy Tiles Group A-Solid Colors #1		58%	
		Economy Tiles Group A-Solid Colors #2		58%	
		Economy Tiles-Group A-Solid Colors #3		58%	
		Flexchrome Mt (71S7 Asb.)		6%	

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
Genstar Corp.	Flintkote Co.	Flexachrome Mt Stock		4%	
		Flexachrome Tile-Solid Colors W. Asb.		21%	
		Group C Floor Tile 7TS-101 Asb./8S Asb.		39%	
		Group C Floor Tile (7TS-101 Asbestos)		28%	
		Marbelizing Stocks F. Tuff-Tex & Itgpit		55%	
		Marbelizing Stocks For Gps. B.C. & D		57%	
		Non-Surface D. Tiles (Solids) 7TS7		6%	
		Peel and Stick Tile			
		Super Tuff-Tex Grease Resistant Tile		18%	
		Surface Decorated Tiles Asb. Fiber 7TS7		6%	
		Translucent Chip Base Asb. 7TS7 Dr 7Ts-1		2%	
		Translucent Chip Base Asb. Fiber 7TS-7		2%	
		Vinyl Asbestos Floor Tile	1945-1980	14%	
		Vinylcraft I Floor Tile Asb. Fiber 7TS-7		6%	
		Vinylcraft II Floor Tile Base		20%	
Kentile Floors, Inc.	Kennedy, David E., Inc. Kentile Floors, Inc.	Agate Chip			
		62M-Brookstone			
		698-Tanglewood			
		Alcazar			
		Au Naturel			
		Beaushard			
		Chantilly			
		Debonair			
		Delhi			
		Hanover Slate			
		Kentile Resilient Floor Tile			
		Kentile Vinyl Sheet Flooring			
		Mastercraft Cobblestone			
		Mastercraft Rutland Slate			
		Pavana			
Ribandet					
			1906-1986	15%	CY
			1966-1969		CY

(cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos			
				Content	Type		
<u>Floor Tile</u>							
Kentile Floors, Inc.	Kentile Floors, Inc.	Sand Pebbles					
		Stratford					
		Thunderbird					
		Touch-Down Wedge-Stone					
Manville Corp.	Johns-Manville Corp.	J-M Abode Asbestos-Vinyl Floor Tile	1933-1969	50%			
		J-M Allegro Asbestos-Vinyl Floor Tile	1933-1969	50%			
		J-M Granada Asbestos-Vinyl Floor Tile	1933-1969	50%			
		J-M Larado Asbestos-Vinyl Floor Tile	1933-1969	50%			
		J-M Seastone Asbestos-Vinyl Floor Tile	1933-1969	50%			
		J-M Terraschip Asbestos-Vinyl Floor Tile	1933-1969	50%			
		Terraflax	1933-1969	50%			
		Vinylcraft	1933-1969	50%			
		Nicolet, Inc.	Nicolet, Inc.	Asbestos Flooring Felt 2897	1968-	87%	CY
				Asbestos Flooring Felt 2898	1968-	87%	CY
Flooring Felt No. 2899	1968-			87%	CY		
Nicolet Baseboard Paper	1939-1950						
No. 1807 Flooring Felt	1962-1968			87%	CY		
No. 1811 Flooring Felt	1962-1968			87%	CY		
No. 1820 Standard Neoprene Flooring felt	1962-1968			87%	CY		
No. 1800 Modified Neoprene Flooring felt	1962-1968			87%	CY		
No. 1895 SBR Flooring Felt	1962-1968			87%	CY		
Sears, Roebuck and Co.	Sears, Roebuck and Co.			Sears Ready-Stick Tile			
		B.F. Goodrich Floor Tile	1945-1963				
Uniroyal, Inc.	Goodrich, B.F. Co.						

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
<u>Floor Tile</u> (cont.)					
<u>Raw Asbestos Fiber</u>					
Anatex Corp.	Anatex Corp.	Carded Asbestos Fiber	1950-	100%	CY
Celotex Corp.	Celotex Corp.	Carey Chrysotile Carey-Canadian Packing			
Cooper Industries, Inc.	Crouse-Blinds Co.	Chico X			
Eagle-Picher Industries, Inc.	Eagle-Picher Co.	Superglas Type-1500 Bulk Fiber			
GAF Corp.	GAF Corp.	Vermont Asbestos Grade 115			
Manville Corp.	Johns-Manville Corp.	Chlorbestos			
National Gypsum Co.	National Gypsum Co.	Gold Bond Asbestos Fiber	1958-1974	100%	CY
Nicolet, Inc.	Nicolet, Inc.	Nicolet Asbestos Fiber (Chrysotile)	1939-1968	100%	CY
Termet Ltd.	Roberts, J.W. Ltd.	Limpet Asbestos Fibre			

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Cork Products

Armstrong World Industries, Inc.	Armstrong World Industries, Inc.	LI - Minus Thirty Cork Covering	1956-1959		
		LI - Thirty Cork Covering			
		LI - Zero Cork Covering			
		LI Cork Covering			

Hermetic Materials, Ltd.

Hermetic Materials, Ltd.

Synthetex

Keene Corp.

Mundet Cork Corp.

Mundet Marine Insulation

B-215

Home Use Products

Advance Glove Mfg. Co.

Advance Glove Mfg. Co.

Advance Barbecue Chef  
Advance Barbecue Chef Gloves

Atlas Turner, Inc.

Atlas Turner, Inc.

Atlas Turner Garden Furniture  
Atlas Turner Patio Pots  
Atlas Turner Promenade Tiles  
MAC 700

1967-1978	13%	CY
1960-	13%	CY
1963-	15%	CY
1975-	15%	CY

Congoleum Corp.

Congoleum-Mairn, Inc.

Firechek Bulletin Board  
Firechek Bulletin Board Cork

1962-	22%
1962-	

Genstar Corp.

Flintkote Co.

Van Packer Chimneys

1958-1971	22%
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Manville Corp.

Johns-Manville Corp.

Colorlith  
Fibre-flo

1934-1987	70%
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Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type
<u>Home Use Products</u>					
Minnesota Mining & Mfg. Co.	Minnesota Mining & Mfg. Co.	3M Pen And Pencil Holder	1973-1975		1X
Union Carbide Corp.	Union Carbide Corp.	Prestone Sealer Stop Leak Udel Polysulfone P6050 Union Carbide Prestone Antifreeze			
Uniroyal, Inc.	US Rubber Co.	Carosel Dish Towel			
<u>Generic Trademarks</u>					
Ace Hardware Corp.	Ace Hardware Corp.	Ace Hardware (Generic)	1931-		
Amsted Industries, Inc.	Amsted Industries, Inc.	Amsted Industries Label			
Armstrong World Industries, Inc.	Armstrong World industries, Inc.	Ablation Material			
Asberit Ltda.	Asberit S.A.	Asberit S.A.			
Carlisle Companies Inc.	Carlisle Corp.	Carlisle Tire Label			
Celotex Corp.	Celotex Corp.	Asbesto-Sorb	1944-1950		
DeVan Sealants, Inc.	Durable Putty Products Co.	DeVan			



Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
<u>Generic Trademarks</u>					
Dresser Industries, Inc.	Harbison-Walker Refractories Co.	HW			
Fuller, H.B. Co.	Benjamin Foster Co.	Foster I.B.H. Dispersion			
Gatke Corp.	Asbestos Textile Co.	Aztec Asbestos Products			
Klinger AG Egliswil	Isteg AG	RK & Triangle Design			
MacArthur Co.	MacArthur Co.	Unifit Vermiculite Insulation	1940-1978		
National Gypsum Co.	National Gypsum Co.	Gold Bond			
North American Refractories Co.	North American Refractories Co.	Narco Logo			
Plant Insulation Co.	Plant Asbestos Co.	Plant & Cross Design			
Porter, H.K. Co.	Porter, H.K. Co., Inc.	Porter			
Raymark Industries, Inc.	Raybestos-Manhattan, Inc.	Raybestos Label			
Rutland Fire Clay Co.	Rutland Fire Clay Co.	Rutland Products			
T & N plc	Keasbey & Mattison Co.	K & M			

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
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Generic Trademarks

(cont.)

TBA Industrial Products, Ltd.

TBA Industrial Products, Ltd.

TBA Polytetrafluoroethylene Products  
TBA Reinforced Plastics Material

XI

MEDICAL IMPLICATIONS OF ASBESTOS EXPOSURE -  
AN OVERVIEW \*

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It is recognized today that asbestos is associated with various reactions in the body that at times lead to disease. The nature of this association, however, is often unclear. The following pages will clarify the asbestos/disease relationship and provide some background regarding the evolution of medical knowledge about asbestos-related conditions.

The conditions that will be discussed are benign pleural changes, asbestosis, lung cancer, mesothelioma, and other cancers. The occurrence of these conditions is dependent upon several factors, including the "dose", durability, and dimension of exposure received and the individual's susceptibility to the condition. Moreover, it is important to note that most of these conditions can be caused by agents other than asbestos.

\* THIS IS A BROAD OVERVIEW PREPARED BY ROBERT N. SPINELLI AND LAUREN B. SARRIEGO OF KELLEY, JASONS, McGUIRE & SPINELLI, ONE LOGAN SQUARE, SUITE 2626, PHILADELPHIA, PA 19103 AND JAMES H. CROSBY OF CROSBY, SAAD & BEEBE, 3290 DAUPHIN STREET, SUITE 600, MOBILE, AL 36606. THIS OVERVIEW IS NO SUBSTITUTE FOR THE ACTUAL MEDICAL LITERATURE WHICH YOU ARE URGED TO REVIEW IN FORMING YOUR OWN OPINIONS ON THIS IMPORTANT AND CONTROVERSIAL SUBJECT.

## CONDITIONS RELATED TO ASBESTOS EXPOSURE

Injury from asbestos requires inhalation and retention in the lungs of microscopic fibers. Asbestos that is "in place," untouched, and unaltered is harmless. Asbestos must become airborne -- for example, through damage or handling -- to be capable of causing harm. If inhaled, these fine, silky fibers, which are usually invisible to the naked eye, may become embedded in the lungs, causing irritation. There, they can become engulfed by a type of defensive cell, called macrophages, that produce a variety of enzymes and other chemicals to assist in defending the body against the foreign fibers. Asbestos-related disease is, therefore, a multi-step process, involving the deposition of inhaled asbestos particles in the lungs, the retention of those particles, and cellular reactions to those particles. It is important to note, however, that not all individuals react to the inhalation of asbestos fibers the same way. In fact, the vast majority of particles and fibers that are inhaled are rapidly expelled from the lungs via mechanisms associated with the normal breathing process. The result is that many people with significant occupational asbestos exposure have no asbestos-related disease.

### Asbestosis

The particles that are not expelled from the lungs, if durable, the right size, and sufficient in amount, may cause a condition called pulmonary fibrosis, a scarring of the substance of the lung tissue, or parenchyma. Pulmonary fibrosis may also be

caused by the inhalation of substances other than asbestos -- or from a variety of drugs and illnesses. Only when this fibrosis causes pulmonary disability and results specifically from the inhalation of asbestos fibers is it properly termed asbestosis.

The occurrence of asbestosis is generally related to the "dose" of asbestos. In other words, the greater the exposure in terms of quantity of fibers inhaled and/or length of time exposed, the higher the incidence of the condition. Rarely is asbestosis observed in people with short-term and/or low-level exposures to asbestos. Workers involved in the manufacture of asbestos textiles had a high risk of acquiring the condition, due to almost constant exposure to the extremely dusty conditions in the spinning and weaving of asbestos textiles.

The symptoms of asbestosis include shortness of breath upon limited physical exertion, a dry cough, and characteristic breath sounds called "rales" that can be heard through a stethoscope. On chest x-rays, physicians usually look for specific reticular patterns in the lower lungs. Additionally, breathing studies called pulmonary function tests (PFTs) are administered to measure both the volume and flow of air that is inhaled and exhaled. These measurements are compared with accepted standards to determine if an abnormality is present. Various PFT measurements may assist the physician in diagnosing whether an individual has asbestosis. (See Attachment "A".)

The exact criteria for diagnosing asbestosis may vary with the individual physician and the cases may not be straightforward. However, attempts have been made to standardize the diagnostic

criteria, and guidelines have been established by the American Thoracic Society, including levels of x-ray findings, PFT results, and clinical information.

#### Pleural Thickening and Pleural Plaques

Inhalation of asbestos fibers may cause benign reactions in the lung lining or pleura. The Pleura consists of two very thin membranes of tissue surrounding the outside of the lungs and lining the chest wall. Two types of pleural reactions are most commonly associated with asbestos exposure: pleural thickening and pleural plaques. A third and less-common condition is known as benign pleural effusion.

Any chronic irritation (e.g., from inhaled asbestos fibers) may cause scarring of the pleura; this condition may be called pleural thickening or pleural fibrosis. People with pleural thickening generally experience no symptoms or disabilities. Most often, the condition is detected "accidentally" during a routine chest x-ray.

A similar condition, pleural plaques, results when deposits of proteins accumulate on the chest wall or diaphragm in response to chronic irritation. Most often, plaques are only evidence of an individual's exposure to asbestos. They are typically found on the side and back part of the lower chest. Plaques vary in thickness and texture as well as shape and size.

As in the case of pleural thickening, the vast majority of people with pleural plaques have no symptoms. Very rarely, pulmonary dysfunction associated with plaques or thickening may

occur, causing shortness of breath. This, however, occurs most infrequently, and pleural plaques almost never cause functional impairment or disability. Surveys have shown that about 15 percent of the general population have some degree of pleural plaques that are undiagnosed due to the lack of symptoms. Only about half of those persons had any exposure to asbestos. Additional studies have demonstrated that for both pleural plaques and pleural thickening, there appears to be a delay of approximately 10 to 20 years from the time of first occupational asbestos exposure to the first appearance of the condition. This is known as a latency period.

Care must be taken to avoid misdiagnosing pleural reactions. Many other conditions unrelated to asbestos exposure may look like pleural plaques or thickening on an x-ray. For example, body fat along the inside chest wall may mimic pleural thickening particularly in obese people, causing confusion as to the presence or absence of the condition. Computerized axial tomography (CT) scans or chest x-rays taken from special angles help to avoid this misdiagnosis. Another source of error in diagnosis is related to the cause of the pleural reaction. Pleural plaques and thickening have been associated with a variety of nonasbestos-related conditions, including tuberculosis, infections, injury to the chest area, and pneumonias, among others. Some studies have even implicated cigarette smoking and the normal aging process as causal factors in pleural thickening and plaques. Therefore, doctors must consider all of the other possible agents of pleural changes before concluding asbestos is the cause.

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### Pleural Effusion

A third pleural reaction that may affect the lung as the result of asbestos exposure is benign pleural effusion. Pleural effusion is a collection of body fluid in the space between the two layers of the pleura. Linking benign pleural effusion to asbestos usually requires four conditions: (1) demonstrated exposure to asbestos; (2) confirmation of the effusion via x-ray or thoracentesis (drainage of the fluid by needle); (3) absence of other disease related to pleural effusion; and (4) no malignant tumor. Some believe that the benign pleural effusion is a reaction to the irritation produced by the inhaled asbestos fiber that, in some persons, occurs prior to the formation of plaques or thickening. Asbestos-related benign pleural effusions are seen most commonly within 10 years of first occupational exposure to asbestos.

Most of the time, asbestos-related pleural effusions cause no symptoms. Some people have pain or shortness of breath related to the effusion, but in the majority of cases the benign effusion resolves itself with no symptoms or side effects.

It is important to emphasize that the best medical opinion suggests that the mere presence of pleural changes (thickening, plaques, or effusion) does not predispose to any other asbestos-related condition or disease, including asbestosis.

### Lung Cancer

One less-common disease associated by some with asbestosis (particularly in smokers) is lung cancer. Currently, uncertainty



exists as to the extent to which asbestos or asbestosis may cause and/or promote lung cancer. It has not been definitely shown that asbestos is itself a lung carcinogen (i.e., a substance that causes cancer) or that it is a "tumor promoter," "co-carcinogen," or "tumor initiator."

Recent research found that pathologic asbestosis was present in all of the lung cancer cases among asbestos-exposed individuals studied at Mount Sinai. The risk of contracting asbestosis appears to be related to the level of exposure. Clearly, then, if lung cancer is related causally in some way to the condition of asbestosis, it follows that the dose of asbestos is the factor that determines the risk.

An important area of study is impact of cigarette smoking on asbestos-exposed populations. Some studies have suggested that there may be some type of interaction of some kind between asbestos or asbestosis and certain carcinogens that may increase the risk of lung cancer in individuals. The most significant of these other carcinogens is cigarette smoke.

Diagnosis of lung cancer is usually made by chest x-ray, followed by a biopsy. Symptoms typically include shortness of breath, cough, weight loss, and fatigue. Usually, a chest x-ray finding prompts the physician to recommend biopsy, and a diagnosis of lung cancer is made by a pathologist who examines the biopsy material.

### Mesothelioma

Malignant mesothelioma, a cancer of the pleura (lining of the lung and chest wall) or peritoneum (lining of the abdomen and pelvic walls) is an extremely rare form of cancer that has been associated with certain asbestos inhalation. It occurs in fewer than 20 people per million in the general population. Some studies have shown that there was no history of exposure to asbestos in 30 to 40 percent of the mesotheliomas reported. There is significant uncertainty as to the mechanism by which mesothelioma occurs. Some scientists believe that the disease in asbestos-associated cases is related to the durability, size, shape, type, and dose of the inhaled asbestos fiber. Scientists have performed experiments on animals with fibers similar to asbestos, and have artificially produced mesotheliomas in the animal subjects. Other research has implicated such agents as radiation and viruses as causative factors in the disease. Clearly, the data is quite fragmentary, and a great deal of uncertainty exists concerning this rare disease.

Mesothelioma occurs most frequently in the space between the pleural layers, or the pleural cavity. The symptoms may include chest pain, weight loss, and a severe shortness of breath. Often, a pleural effusion is present, and evidence of other asbestos-related conditions or diseases, such as pleural plaques or asbestosis, may be noted on x-rays. There is, however, no competent evidence that the presence of any other asbestos-related condition predisposes one to the development of mesothelioma.

A pathological tissue examination must be made to diagnose mesothelioma definitively. A pathologist should examine the specimen and perform various tests to rule out other forms of cancer that often closely mimic mesothelioma. This fact makes it a difficult condition to diagnose. Quite often, what appears to be a mesothelioma is actually a secondary growth from a primary tumor located elsewhere or not a malignancy at all. To further complicate diagnosis, there are multiple types of mesotheliomas that are differentiated by the cells of which they are composed. Diagnosis is, therefore, not a simple, straightforward matter, but rather requires great care and expertise.

The prognosis for individuals with mesothelioma is poor. Recently, however, progress has been made using surgery to remove localized areas of mesothelioma in the chest. In addition, current research has explored the usefulness of various chemotherapies in treating the disease.

#### Other Cancers

It has been alleged by some that laryngeal, colon and rectal, ovarian, and renal cancers may be associated with asbestos exposure. These allegations, however, are based on studies that have had inconsistent and/or marginal results. Moreover, these cancers are common in the general population and have been associated with a wide variety of other causes, including cigarette smoking, alcohol consumption, and diet. For this and other reasons, it is difficult, if not impossible, to conclude that these cancers are the result of asbestos exposure.

## ASBESTOS RESEARCH - - PAST, PRESENT, AND FUTURE

In an attempt to determine the nature of the relationship between asbestos and disease, the medical and scientific community has conducted extensive research. One of the ways in which it has sought to answer the many questions surrounding asbestos and disease is to explore the epidemiology of asbestos-related conditions.

An epidemiologic study attempts to examine how diseases or conditions are distributed throughout a particular population and attempts to provide data concerning factors that may be associated with its occurrence. The benefit of this type of research is that it may uncover information about substances or conditions that may be contributing to or associated with disease. Generally, epidemiology cannot establish a cause-and-effect relationship, however, such research may provide a means of gathering information and forming opinions or guesses based upon available statistics. Epidemiologic research is a blunt tool that, when used with other medical information, can assist in estimating the incidence of disease and predicting risk factors in studied populations. It may also provide data about the risk for contracting a disease in populations.

The earliest studies of asbestos-related diseases were isolated case reports appearing around the first half of this century. It was not until 1938 that an epidemiologic study was published by the U. S. Surgeon General. This study of 541 employees in the North Carolina textile industry was designed to

examine the effects of long-term inhalation of asbestos in an asbestos textile manufacturing setting. It also studied the textile manufacturing processes and made recommendations for reducing dust exposure. The most important contribution of this work was the establishment of tolerable asbestos dust levels for safe working conditions, below which employees were thought to be safe from injury. In part a result of this study, the threshold limit value (TLV) for asbestos was established at five million particles per cubic foot of air. This recommended standard remained in effect as a perceived safe and tolerable level for asbestos until the late 1960s. One significant aspect of this dust level is that it supported the existence of a dose-response relationship, that a dose of asbestos exposure above the TLV was perceived as generally required -- though not necessarily sufficient -- to produce the response of a respiratory abnormality.

A later study of asbestos and disease was published by Fleischer, Viles, Gade, and Drinker in 1946. Fleischer, Viles, and Gade were former naval health consultants, and their research was commissioned by the U. S. Navy. Drinker was a professor at the Harvard School of Industrial Hygiene. Their review of 1,074 employees at four shipyards was designed to explore the potential health hazards of those employed in the pipe covering trade. At that time -- and continuing up to the early 1970s -- materials used to cover and insulate portions of naval ships and in other locations were made partly of asbestos. As a result of the wartime effort, many laborers were involved in pipe covering operations. Dust concentration levels were compared at the various shipyards

and Fleischer, et al. agreed that a level of five million particles per cubic foot was "considered good dust control." They also concluded that the asbestos pipe covering operations they studied was not a "dangerous" occupation.

In 1955, Sir Richard Doll conducted a study of more than 100 autopsies of people employed in the asbestos textile industry in Great Britain. Doll was interested in determining the incidence of lung cancer among asbestos textile workers. He concluded that there was an excess of deaths from lung cancer observed among the workers exposed to the dusty conditions of the past -- before the establishment of dust controls. This study, unfortunately, did not gather data relating to cigarette smoking. Doll's conclusions supported the theorem that lowered dust levels would probably alleviate the problem.

Dr. Irving J. Selikoff also explored the possible link between asbestos and lung cancer in his 1964 study of 632 asbestos-exposed insulation workers from New York and New Jersey. He examined those workers with 20 or more years since their first employment as an asbestos insulation worker and found higher rates of death from lung cancer and mesothelioma than expected. Unfortunately, Selikoff did not fully control for cigarette smoking in his research and used a national, rather than local, comparison population. Given current knowledge of the effects of cigarette smoke and urban pollution, many questions are left unanswered by Selikoff's study.

Most recently, research in the area of asbestos-related conditions attempts to address some of those questions. A 1990

publication by Mossman, Bignon, Corn, Seaton, and Gee addresses current developments on the topic. The authors first address what has been called by some "the amphibole hypothesis," which maintains that only amphibole asbestos fibers are potentially harmful.

A second issue addressed by Mossman, et al. pertains to mechanisms of injury regarding asbestos and lung cancer. The authors reviewed recent literature on this subject, a large majority of which concerns the genetics of cancer. Currently, some believe that asbestos fibers may play a role in altering the genetics of normal cells to cause mutations that convert them to abnormal or cancer cells. Moreover, when cigarette smoke is introduced, the lung's ability to expel the asbestos particles may be reduced, thereby increasing the lung fiber burden. In addition, cigarette smoke itself contains approximately 43 carcinogens that may independently affect the genetic structure of normal lung cells, causing mutations and, possibly, the formation of cancer cells.

A third area that the authors discuss is of public policy regarding asbestos removal from buildings. The questions that they feel needs to be answered is whether airborne levels from "in-place" asbestos pose a hazard to the general public. If the answer to this question is no, then, according to the authors, a great deal of public money is currently being wasted. Mossman, et al. have reviewed the available literature and have determined that the risk of death from in-place asbestos is minuscule (.005/1,000,000 to .093/1,000,000 persons). Moreover, when previously untouched and undamaged asbestos is improperly removed, the airborne

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concentration of fibers may greatly increase for prolonged periods of time. In concluding, the authors suggest diverting public policy from asbestos removal toward other, more urgent, concerns, such as prevention of tobacco smoking.



GENERAL PFT  
RULES OF THUMB

Obs. Value

Pred. Value x 100% = % Predicted

Normal Values: FVC at least 80%  
FEV<sub>1</sub> at least 80% (75%)  
FEV<sub>1</sub>/FVC at least 70% (80%)

Obs. (pure)	↓ FVC or normal	↑ FRC
	↓ FEV <sub>1</sub>	= TLC
	↓ Ratio	↑ RV

Restrictive (pure) ↓ FVC  
↑ FEV<sub>1</sub> or normal  
↓ TLC  
= Ratio normal

3 Valid Tests: Variation b/n two largest FVC not exceed 5%  
Variation b/n two largest FEV<sub>1</sub> not exceed 5%

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Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.	John Crane-Houdaille, Inc.	John Crane Houdaille 58100	-1985		
		John Crane Houdaille 5810H	-1985		
		John Crane Houdaille 5810K	-1985		
		John Crane Houdaille 5811S			
		John Crane Houdaille 58121	-1985		
		John Crane Houdaille 58122	-1985		
		John Crane Houdaille 58123	-1985		
		John Crane Houdaille 58124			
		John Crane Houdaille 58125			
		John Crane Houdaille 58126			
		John Crane Houdaille 58127			
		John Crane Houdaille 581CR	-1985		
		John Crane Houdaille 581CX	-1985		
		John Crane Houdaille 581CY	-1985		
		John Crane Houdaille 5820	-1965		
		John Crane Houdaille 5J	-1975		
		John Crane Houdaille 60	-1965		
		John Crane Houdaille 601EB	-1985		
		John Crane Houdaille 601ED	-1985		
		John Crane Houdaille 607	-1965		
		John Crane Houdaille 61	-1975		
		John Crane Houdaille 625	-1975		
		John Crane Houdaille 630	-1985		
		John Crane Houdaille 630S1	-1985		
		John Crane Houdaille 632	-1985		
		John Crane Houdaille 635	-1985		
		John Crane Houdaille 640	-1985		
		John Crane Houdaille 642	-1985		
		John Crane Houdaille 644	-1985		
		John Crane Houdaille 645	-1985		
		John Crane Houdaille 651	-1980		
		John Crane Houdaille 65C	-1965		
		John Crane Houdaille 6A	-1985		
		John Crane Houdaille 6A1	-1965		
		John Crane Houdaille 6AM	1940-1985	40%	CY
		John Crane Houdaille 6AMCR	1940-1985		

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type
Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape	John Crane-Houdaille, Inc.	John Crane Houdaille 6AMJ	-1965		
		John Crane Houdaille 6ASI	-1965		
John Crane, Inc.	John Crane-Houdaille, Inc.	John Crane Houdaille 6C	-1985		
		John Crane Houdaille 6CR	-1970		
		John Crane Houdaille 6OAM	-1985		
		John Crane Houdaille 6OCR/SS2CR	-1970		
		John Crane Houdaille 6OCRX	-1970		
		John Crane Houdaille 6OJ	-1970		
		John Crane Houdaille 6DL	-1970		
		John Crane Houdaille 6JCR	-1975		
		John Crane Houdaille 6JHV1	-1975		
		John Crane Houdaille 6JHVS	-1975		
		John Crane Houdaille 708	-1975		
		John Crane Houdaille 709	-1975		
		John Crane Houdaille 737	-1970		
		John Crane Houdaille 751	-1970		
		John Crane Houdaille 751M	-1976		
		John Crane Houdaille 761	-1970		
		John Crane Houdaille 761CU	-1985		
		John Crane Houdaille 7722	-1985		
		John Crane Houdaille 77MC2	-1985		
		John Crane Houdaille 800	-1985		
		John Crane Houdaille 801	-1985		
		John Crane Houdaille 802	-1985		
		John Crane Houdaille 803	-1985		
		John Crane Houdaille 803RW	-1985		
		John Crane Houdaille 804	-1965		
		John Crane Houdaille 80419	-1965		
		John Crane Houdaille 80420	-1975		
		John Crane Houdaille 8048	-1965		
		John Crane Houdaille 80485	-1970		
		John Crane Houdaille 80488	-1985		
		John Crane Houdaille 8048D	-1985		
		John Crane Houdaille 8048F	-1985		
		John Crane Houdaille 804C	-1985		
		John Crane Houdaille 804D	-1985		

Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

John Crane, Inc.	John Crane-Moudaille, Inc.	John Crane Moudaille 8040C	-1970		
		John Crane Moudaille 8040S	-1970		
		John Crane Moudaille 8040W	-1965		
		John Crane Moudaille 8041D	-1965		
		John Crane Moudaille 8044H	-1985		
		John Crane Moudaille 8044Z	-1965		
		John Crane Moudaille 8044A	-1965		
		John Crane Moudaille 8044B	-1975		
		John Crane Moudaille 8044D	-1985		
		John Crane Moudaille 8044G	-1965		
		John Crane Moudaille 8044K	-1965		
		John Crane Moudaille 8044M	-1965		
		John Crane Moudaille 8044R	-1965		
		John Crane Moudaille 8045W	-1965		
		John Crane Moudaille 8047M	-1965		
		John Crane Moudaille 8048G	-1965		
		John Crane Moudaille 804W	-1965		
		John Crane Moudaille 805	-1965		
		John Crane Moudaille 80512	-1965		
		John Crane Moudaille 80513	-1965		
		John Crane Moudaille 80514	-1965		
		John Crane Moudaille 80515	-1965		
		John Crane Moudaille 806	-1965		
		John Crane Moudaille 807	-1985		
		John Crane Moudaille 808	-1970		
		John Crane Moudaille 809	-1970		
		John Crane Moudaille 810	-1985	54%	CY
		John Crane Moudaille 81001	-1985		
		John Crane Moudaille 81008	-1985		
		John Crane Moudaille 81010	-1985		
		John Crane Moudaille 81011	-1985		
		John Crane Moudaille 81019	-1985		
		John Crane Moudaille 81020	-1985		
		John Crane Moudaille 81021	-1985		
		John Crane Moudaille 8108	-1965		

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.

John Crane-Houdaille, Inc.

John Crane Houdaille 810BS	-1975			
John Crane Houdaille 810C	-1970			
John Crane Houdaille 810Ct	-1965			
John Crane Houdaille 810CR	-1985			
John Crane Houdaille 810OR	-1985			
John Crane Houdaille 81DK				
John Crane Houdaille 81DM	-1970			
John Crane Houdaille 81DMW	-1985			
John Crane Houdaille 81DN	-1965			
John Crane Houdaille 81DNC				
John Crane Houdaille 81DKP	-1965		45%	CY
John Crane Houdaille 81DS	-1985			
John Crane Houdaille 81DSM	-1965			
John Crane Houdaille 81DW	-1965			
John Crane Houdaille 81DMW				
John Crane Houdaille 811				
John Crane Houdaille 812	-1965			
John Crane Houdaille 812G	-1965			
John Crane Houdaille 812GS	-1965			
John Crane Houdaille 813	-1985			
John Crane Houdaille 814	-1985			
John Crane Houdaille 815	-1980			
John Crane Houdaille 816	-1975			
John Crane Houdaille 816W	-1980			
John Crane Houdaille 817	-1975			
John Crane Houdaille 818	-1975			
John Crane Houdaille 819	-1985			
John Crane Houdaille 823	-1985			
John Crane Houdaille 824	-1985			
John Crane Houdaille 825				
John Crane Houdaille 828				
John Crane Houdaille 830				
John Crane Houdaille 838				
John Crane Houdaille 851	-1975			
John Crane Houdaille 86	-1965			
John Crane Houdaille 868	-1970			

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

John Crane, Inc.

John Crane-Houdaille, Inc.

John Crane Houdaille 87	-1985		
John Crane Houdaille 873	-1985		
John Crane Houdaille 87301			
John Crane Houdaille 874			
John Crane Houdaille 875			
John Crane Houdaille 876			
John Crane Houdaille 877			
John Crane Houdaille 878	-1985		
John Crane Houdaille 880	1930-		
John Crane Houdaille 881	1930-		
John Crane Houdaille 881BR			
John Crane Houdaille 882			
John Crane Houdaille 884	-1975		
John Crane Houdaille 885	-1970		
John Crane Houdaille 8850	-1965		
John Crane Houdaille 886	-1970		
John Crane Houdaille 887	-1970		
John Crane Houdaille 8873	-1965		
John Crane Houdaille 888	-1985	70%	CY
John Crane Houdaille 888G	-1985		
John Crane Houdaille 890	-1980		
John Crane Houdaille 891	-1985	70%	CY
John Crane Houdaille 891G	-1985		
John Crane Houdaille 892	-1970		
John Crane Houdaille 894AM	-1970		
John Crane Houdaille 894BM	-1970		
John Crane Houdaille 894SP			
John Crane Houdaille 895	-1975		
John Crane Houdaille 896	-1975		
John Crane Houdaille 89617	-1975		
John Crane Houdaille 8968	-1975		
John Crane Houdaille 8960	-1975		
John Crane Houdaille 896S	-1975		
John Crane Houdaille 896SA	-1975		
John Crane Houdaille 897	-1975		
John Crane Houdaille 898	-1975		



Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

John Crane, Inc.	John Crane-Houdaille, Inc.	John Crane Houdaille 8AM	-1970	
		John Crane Houdaille 80	-1970	
		John Crane Houdaille 901	-1965	
		John Crane Houdaille 902	-1965	
		John Crane Houdaille 904	-1965	
		John Crane Houdaille 906	-1965	
		John Crane Houdaille C10	-1970	
		John Crane Houdaille C1055	-1970	
		John Crane Houdaille C11	-1970	
		John Crane Houdaille C11SP	-1970	
		John Crane Houdaille C12	-1980	
		John Crane Houdaille C13	-1980	
		John Crane Houdaille C14	-1975	
		John Crane Houdaille C18	-1975	
		John Crane Houdaille C21	-1980	
		John Crane Houdaille C22	-1980	
		John Crane Houdaille C24	-1970	
		John Crane Houdaille C26	-1980	
		John Crane Houdaille C28	-1980	
		John Crane Houdaille C2826	-1980	
		John Crane Houdaille C2868	-1980	
		John Crane Houdaille C281	-1980	
		John Crane Houdaille C29	-1980	
		John Crane Houdaille C29CR	-1980	
		John Crane Houdaille C29L	-1980	
		John Crane Houdaille C34	-1980	
		John Crane Houdaille C50	-1965	
		John Crane Houdaille C51	-1965	
		John Crane Houdaille C52	-1970	
		John Crane Houdaille C54	-1970	
		John Crane Houdaille C56	-1970	
		John Crane Houdaille C58	-1985	
		John Crane Houdaille C5816	-1980	
		John Crane Houdaille C5820 # 5	-1980	
		John Crane Houdaille C58X	-1985	
		John Crane Houdaille C60		61% CY





Current Entity	Manufacturer	Product Name	Mfg. Years	Asbestos	
				Content	Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Manville Corp.	Johns-Manville Corp.	165 Moulded Autoclave Packing	1891-1983	94%	
		166 Kearsarge Asbestos Fabric Packings	1891-1983	94%	
		167 Superheat Steam Asbestos Fabric Pckg	1891-1983	94%	
		168 Kearsarge Asbestos Fabric Packing	1891-1983	94%	
		788 AAA Grade Rope	1884-1982	99%	CY
		857 AAA Grade Rope	1884-1982	99%	CY
		869 AAA Grade Rope	1884-1982	99%	CY
		873 AAA Grade Rope	1884-1982	99%	CY
		Asbestica Tape	1948-1982	85%	CY
		Asbestos Textiles	1891-1983	98%	
		Asbestos-Metallic 379 Packing	1891-1983	60%	
		Asbestos-Metallic 392 Packing	1891-1983	60%	
		Asbestos-Metallic 393 Packing	1891-1983	60%	
		Blastape			
		Braided 10 Packing	1891-1983	98%	
		Braided 2020 Packing	1891-1983	98%	
		Braided Rope 788 Packing	1891-1983	98%	
		Braided Rope 857 Packing	1891-1983	98%	
		Braided Rope 869 Packing	1891-1983	98%	
		Braided Rope 873 Packing	1891-1983	98%	
		Centripac 11 Packing	1891-1983	90%	
		Centripac 18 Packing	1891-1983	90%	
		Centripac 19 Packing	1891-1983	90%	
		Centripac 2018 Packing	1891-1983	90%	
		Centripac 2021 Packing	1891-1983	90%	
		Centripac 2022 Packing	1891-1983	90%	
		Centripac 2036 Packing	1891-1983	90%	
		Centripac 350 Packing	1891-1983	90%	
		Centripac 351 Packing	1891-1983	90%	
		Centripac 4 Packing	1891-1983	90%	
		Centripac 7 Packing	1891-1983	90%	
		Centripac Asbestos Packing			
		Centripac Asbestos Packing-Coil			
		Centripac Pckg.-Square Plaited			
		Chempac 2004 Packing	1891-1983	90%	

Current Entity      Manufacturer      Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)      Product Name      Mfg. Years      Content      Asbestos Type

Current Entity	Manufacturer	Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape	(cont.)	Product Name	Mfg. Years	Content	Asbestos Type
Manville Corp.	Johns-Manville Corp.			Chempac 2005 Packing	1891-1983	90%	
				Chempac 2006 Packing	1891-1983	90%	
				Chempac 2009 Packing	1891-1983	90%	
				Chempac 2011 Packing	1891-1983	90%	
				Chempac 2012 Packing	1891-1983	90%	
				Chempac 2013 Packing	1891-1983	90%	
				Chempac 2014 Packing	1891-1983	90%	
				Chempac 2024 Packing	1891-1983	90%	
				Chempac 587 Packing	1891-1983	90%	
				Duplex			
				Folded Groove 128 Packing	1891-1983	98%	
				Folded Groove 129 Packing	1891-1983	98%	
				Folded Groove 176 Packing	1891-1983	98%	
				Folded Groove 177 Packing	1891-1983	98%	
				Groove 17 Packing	1891-1983	100%	
				Groove 216 Packing	1891-1983	100%	
				Groove 790 Packing	1891-1983	100%	
				Groove 872 Packing	1891-1983	100%	
				Inconel Meshcore Groove 163 Packing	1891-1983	94%	
				Inconel Meshcore Groove 164 Packing	1891-1983	94%	
				Interlocked 2009 Packing	1891-1983	98%	
				Interlocked 253 Packing	1891-1983	98%	
				Interlocked 254 Packing	1891-1983	98%	
				Interlocked 255 Packing	1891-1983	98%	
				Interlocked 257 Packing	1891-1983	98%	
				Interlocked 263 Packing	1891-1983	98%	
				Interlocked 270 Packing	1891-1983	98%	
				J-M 566 Commercial Grade Rope	1884-1982	80%	CY
				J-M 702 Commercial Grade Rope	1884-1982	80%	CY
				J-M 733 Commercial Grade Rope	1884-1982	80%	CY
				J-M 787 Commercial Grade Rope	1884-1982	80%	CY
				J-M AA Grade Asbestos Tape	1884-1983	95%	CY
				J-M AAA Grade Asbestos Tape	1884-1983	99%	CY
				J-M AAAA Grade Asbestos Tape	1884-1983	100%	CY
				J-M AAAA Rope	1884-1983	100%	CY
				J-M Asbestos Rope			



Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Content	Asbestos Type	
Manville Corp.	Johns-Manville Corp.	J-M Gasketing Tape 142 Packing	1891-1983	98%		
		J-M Gasketing Tape 2032 Packing	1891-1983	98%		
		J-M Keystone Air Pump Packing				
		J-M Keystone Hair Insulator				
		J-M Lead Joint Runner				
		J-M Locomotive Cab Cock Packing				
		J-M Mogul Coil Packing	1891-1983	98%		
		J-M Molded Air Pump Packing				
		J-M O-Ring Molded Packing	1891-1983	40%		
		J-M Phoenix Asbestos Stove Lining				
		J-M Sill Covering				
		J-M Special Combination Air Pump Packing				
		J-M Tadpole Tapes 123 Packing	1891-1983	30%		
		J-M Tadpole Tapes 150 Packing	1891-1983	30%		
		J-M Tadpole Tapes 151 Packing	1891-1983	30%		
		J-M Tadpole Tapes 152 Packing	1891-1983	30%		
		J-M Tadpole Tapes 153 Packing	1891-1983	30%		
		J-M Tadpole Tapes 154 Packing	1891-1983	30%		
		J-M Tadpole Tapes 155 Packing	1891-1983	30%		
		J-M Tadpole Tapes 156 Packing	1891-1983	30%		
		J-M Tadpole Tapes 157 Packing	1891-1983	30%		
		J-M Tadpole Tapes 160 Packing	1891-1983	30%		
		J-M Tadpole Tapes 192 Packing	1891-1983	30%		
		J-M Thermostat	1951-1975	80%		CY, AM
		J-M Twisted Rope 191 Packing	1891-1983	99%		
		J-M Twisted Rope 4186 Packing	1891-1983	99%		
J-M Twisted Rope 4188 Packing	1891-1983	99%				
J-M Twisted Rope 4196 Packing	1891-1983	99%				
J-M Twisted Rope 4200 Packing	1891-1983	99%				
J-M Underwriter's Grade Asbestos Tape	1884-1983	85%		CY		
J-M Unepac Molded Packings	1891-1983	40%				
J-M Univ. Comb. Steam Hammer Packings						
J-M Universal Piston Packings						
J-M Universal Rod And Plunger Packings						
J-M V-Ring Molded Packing	1891-1983	40%				
J-M Valve Stem Packing	1891-1983	90%				

Current Entity      Manufacturer      Product Name      Mfg. Years      Content      Asbestos Type

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape      (cont.)

Manville Corp.

Johns-Manville Corp.

J-M Water Gauge Gaskets      1891-1983      98%

Jewett 14 Packing      1891-1983      98%

Jewett 2053 Packing      1891-1983      98%

Jewett 322 Packing      1891-1983      98%

Jewett 323 Packing      1891-1983      98%

Jewett 55 Packing      1891-1983      98%

Jewett Packing R-10

Jewett 2017 Packing      1891-1983      98%

Mogul 222 Packing      1891-1983      98%

Mogul 223 Packing      1891-1983      98%

Rajah 2 Packing      1891-1983      98%

Rajah 6 Packing      1891-1983      98%

B-139

Resistan Clipper Oil Seals

Rotemp Steam Joint Rings

Sea-Ring Packing

Service Sheet Packing Style #60

Thermacore 397 Packing      1891-1983      90%

Thermacore 398 Packing      1891-1983      90%

Thermacore 399 Packing      1891-1983      90%

Thermo-Chem Rope

Thermo-Pac 1000      1917-1983      100%      CY

Thermo-Pac 500      1917-1983      80%      CY

Thermo-Pac 750      1969-1982      98%      CY

Thermo-Pac Asbestos Rope

Thermo-Pac Blue      1917-1973      100%      CR

Twisted Rope 4185 Packing      1891-1983      99%

Mobilene Gas Engine Sheet Packing

Mobilene Sheet Packing (Style #101)

Metallo Gasket Co.

Metallo Gasket Co.

Metallo Gasket

National Engineering Products, Inc.

National Engineering Products, Inc.

Rodpak Metallic Plastic Packing



Current Entity Manufacturer

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Current Entity	Manufacturer	Product Name	Mfg. Years	Content Type
National Gypsum Co.	National Gypsum Co.	Asbestos Stripping Tape	1944-1945	
Nicolet, Inc.	Nicolet Industries, Inc.	My-Swell Packing	1970-	
	Nicolet, Inc.	Ry-Tensile Packing		
		556 Nicoseal	1952-1960	
		Asbestos (Cemlin) Board	1960-	
		Beater Addition No. 554	1970-	
		Beater Addition No. 575	1962-	
		Beater Addition No. 577	1962-1980	
		Beater Addition No. 579	1962-1980	
		Beater Addition No. 592	1962-1980	
		Beater Addition No. 593	1962-1980	
		Compressed Asb. Sheet Pckg. K.M. 343		
		Compressed Asbestos Sheet Packing KM 340		
		Compressed Asbestos Sheet Packing KM 345		
		Compressed Sheet No. 225	1962-	
		Compressed Sheet Packing No. 226	1962-	
		Compressed Sheet Packing No. 240	1962-	
		Compressed Sheet Packing No. 245	1962-	
		Compressed Sheet Packing No. 295	1962-	
		Compressed Sheet Packing No. 355	1962-	
		Compressed Sheet Packing No. 357	1962-	
		Compressed Sheet Packing No. 375	1962-	
		Compressed Sheet Packing No. 445	1962-	
		Compressed Sheet Packing No. 710	1970-	
		Compressed Sheet Packing No. 750	1972-	
		Gasket No. 554	1960-	
		Gasket Paper No. 580	1930-1978	
		H-152 BX Special		
		K.M 205		
		K.M 206		
		K.M 246		
		K.M 265		

\* 4

Gaskets, Packing, Sheets, Rope, Wick, Cord, Tape (cont.)

Nicolet, Inc.

Nicolet, Inc.

K.M. 266					
K.M. 275					
K.M. 347					
K.M. 420					
K.M. 421					
K.M. 483					
K.M. 493					
K.M. 493-1					
K.M. 494					
K.M. 83					
K.M. 93					
K.M. 93-T					
K.M. 94					
K.M. Compressed Asbestos Sheet Pkg. 043					
K.M. Compressed Asbestos Sheet Pkg. 227					
K.M. Compressed Asbestos Sheet Pkg. 229					
K.M. Compressed Asbestos Sheet Pkg. 238					
K.M. Compressed Asbestos Sheet Pkg. 239					
K.M. Compressed Asbestos Sheet Pkg. 832					
M6-155 (Micoseal)					
Nicel No. 301			1962-1974		CY
Nicel No. 302			1962-1966		CY
Nicel No. 303			1962-1977		CY
Nicel No. 304			1966-1976		CY
Nicel No. 305			1962-		CY
Nicel No. 307			1964-1978		CY
Nicel No. 308			1969-1980		CY
Nicel No. 309			1969-1980		CY
Nicel No. 310			1968-1977		CY
Nicel No. 314			1971-1977		CY
Nicel No. 317			1973-		CY
Nicel No. 319			1976-		CY
Nicel No. 320			1976-1980		CY
Nicolet Asbestos Furnace Tape			1939-1970		
Nicolet Hy-Swell-Style 750			1971-		
Nicolet Kan-X			1962-		