PLAINTIFF'S EXHIBIT

MON-735

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

CENTER FOR DISEASE CONTROL

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
ROBERT A. TAFT LABORATORIES
4676 COLUMBIA PARKWAY, CINCINNATI, OHIO 45226

December 26, 1978

ASBESTOS FILE

Carl D. Bohl, Sc.D.
Department of Medicine and
Environmental Health
Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166

Dear Sir:

Enclosed is a copy of the [illegible] on Thermal Insulation, [illegible] to the National Institute for Occupational Safety and Health. This is the information you requested at the [illegible] held on December 18, 1978. Thank you for your [illegible] in that meeting and for providing us with the [illegible] proposed research and benefit from your expertise in the field of thermal insulation.

Sincerely yours,

[illegible]

for [illegible]

Enclosure

LAM023578

MAP 03366

6104
16564

REFERENCES

1. Muir D.C. 1976. Health hazards of thermal insulation products. Ann. Occup. Hyg. 19(2):139-145

2. Sweets Catalogue File, Products for General Building 1978. Thermal and moisture protection-building insulation and roof insulation. Vol. 4. McGraw Hill Information Systems Co. New York.

3. Harrison, M.R., and C.M. Pelanne. 1977. Cost-effective thermal insulation. Chem. Eng. 84(27):62-76.

4. Pelzer, J.L., and W.C. Cooper. 1968. The work environment of insulating workers. Am. Ind. Hyg. Assoc. J. 29(3):222-227.

5. Pelzer, J.L., and W.C. Cooper. 1968. Industrial hygiene for insulation wokers. J. Occup. Med. 10(1):25-31.

6. Keane, W.T., and M.R. Zavon. 1968. Occupational hazards of pipe insulators. Arch. Environ. Health. 13(2):171-184.

7. Selikoff, I.J. 1970. Partnership for prevention- the insulation industry hygiene research program. Inc. Med. 39(4):21-25.

8. Harvin, R.L., and J.H. Cromer, Jr. 1975. Health hazard evaluation/toxicity determination report H.H.E. 73-148-223, U.S. Blakey Clay Manufacturing Company, Pittsburgh, Kansas. National Institute for Occupational Safety and Health, Cincinnati, Ohio. U.S. NTIS, PB Rep.; ISS. PB -[illegible]

9. Kaciba, R.J., Sporschu, G.L., Leong, B.K. and P.J. Gehring. 1973. Toxic. Appl. Pharm. 25:146.

10. Hunter, B. and C. Thompson. 1968. Br. J. Inc. Med. 30:167.

LAM023579

...er, W.C. 1976. Pulmonary function on perlite worker[redacted] Occup. Med. 18 723-729.

... Timbrell, V. 1965. The inhalation of fibrous dusts. Ann. N.Y. Acad. Sci. 132(1)255-273.

... Dement, J.M. 1975. Environmental aspects of fibrous glass production and utilization. Environ. Res. 9(3):295-312.

14. Leadbetter, M.R. and M. Corn. 1972. Particle size distribution of rat lung residues after exposure to fiberglass dust clouds. Am. Ind. Hyg. Assoc. J. 33(8):511-522.

15. Dillon, J.B. 1978. Thermal insulation: Recent development. Noyes Data Corp., Park Ridge, N.J. 338 p.

16. Milby, T.H., and C.R. Wolf. 1969. Respiratory tract irritation from fibrous glass inhalation. J. Occup. Med. 11(8):409-410.

17. Possick, P.A. Gellin, G.A. and M.M. Key. 1970. Fibrous glass dermatitis. Am. Inc. Hyg. Assoc. J. 31(1):12-15.

18. Williams, H.I. 1970. A quarter century of industrial hygiene surveys in the fibrous glass industry. Am. Ind. Hyg. Assoc. J. 31(3):362-367.

19. Assuncao, J. and M. Corn. 1975. The effects of milling on diameters and lengths of fibrous glass and crysotile asbestos fibers. Am. Ind. Hyg. J. 36(11)811-819.

20. Wright, G.W. 1968. Airborne fibrous glass particles: Chest roentgenograms of persons with prolonged exposure. Arch. Environ. Health. 16(2):175-181.

22. Peterline, [illegible] and V. Henderson. 1975. The health of retired fiberglass workers. Arch. Environ. Health. 30(3):113-116.

23. Longley, E.O., and [illegible]. 1966. Case report: Fiberglass conjunctivitis and keratitis. Arch. Environ. Health. 13(6):790-793.

23. Balzer, J.L., Cooper, W.C., and D.P. Fowler. 1971. Fibrous glass-lined air transmission systems: An assessment of their environmental effects. Am. Ind. Hyg. Assoc. J. 32(8):512-518.

24. Fowler, D.P., Balzer, J.L., and W.C. Cooper. 1971. Exposure of insulation workers to airborne fibrous galss. Am. Ind. Hyg. Assoc. J. 32(2):86-[illegible]

25. Johnson, D.L., Healey, J.J., Ayer, H.E., and J.R. Lynch. 1969. Exposure to fibers in the manufacture of fibrous glass. Am. Ind. Hyg. Assoc. J:545-550.

26. National Institute for Occupational Safety and Health. 1977 Criteria for a recommended standard: Occupational exposure to fibrous glass. DHEW (NIOSH) Publication No. 77-152.

27. Roper, P. 1976. Health hazard evaluation determination report no. 74-86-269, Owens-Corning Fiberglass Corporation, Newark, Ohio. National Institute for Occupational Safety and Health, Cincinnati, Ohio. U.S. NTIS, PB Rep.; ISS PB-273720.

28. American College of Chest Physicians, Committee on Environmental Health. 1976. Respiratory response to domestic fibrous glass expcsure. Environ. Res. 12(2):201-207.

29. Newball, J.J., and S.A. Brahim. 1976. Respiratory response to domestic fibrous glass exposure. Environ. Res. 12(2):201-207.

Smen, M.A., Hamad, Y.Y., Corn, M., Whitter, D., Kotsko, N., Haller, M., and R.A. Kann. 1978. Exposure of employees to man-made mineral fibers: Mineral wool production. Environ. Res. 12:262-277.

32. Styles, J.A., and J. Wilson. 1976. Ann Occup. Hyg. 19:63.

33. Wagner, J.C. Berry, G., and V. Timbrell. 1975. Br. J. Cancer 28:173-

34. Richards, R.J., Desai, R., Hext, P.M., and F.A. Rose, 1975. Nature 256:664-

35. Rakow, A.B., and E.J. Baier. 1971. Exposures to tolvene diisocyanate (TDI) in polyurethane foam plants. HSMHA Health Rep. 86(7):663-666.

36. Peters, J.M., and R.L.H. Murphy. 1971. Hazards to health: Do it yourself polyurethane foam. Am. Rev. Resp. Dis. 104:432-433.

37. Rye, W.A. 1973. Human responses to isocyanate exposure. J. Occup. Med. 15(3):306-307.

38. Woolrich, P.F. 1970. Chemical Structure of polyurethane foam. J. Occup. Med. 12(12):529.

39. Pagnotto, L.D., and D.M. Wagman. 1976. Exposure to triethylenediamine (TEDA) in urethane foam manufacture. J. Occup. Med. 18(8)523-524.

40. Sander, J.D. Einhorn, I.N., Drake, W.D., and C.M. Mihlfeith. 1972. Analysis of volatile combustion products and a study of their toxicological effects. Polym. Eng. Sci. 12:125-133.

41. Wagman, D.H., Peters, J.M., Pagnotto, L., and L.J. Fine. 1977. Chronic pulmonary function loss from exposure to tolvene diisocyanate. Br.J. Ind. Med. 34:196-200.

42. Hammond, E.C. Selikoff, I.J., and J. Churg. 1965. Neoplasia among insulation workers in the United States with special reference to intro-abdominal neoplasia. Ann. N.Y. Acad. Sci. 132(1).513-523.

43. Selikoff, I.J. 1976. Lung cancer and mesothelioma during propsective surveillance of 1249 asbestos insulation workers, 1963-1974. Ann. N.Y. Acad. Sci. 271:448-58.

45. Harries. P.G. 1971. A comparison of mass and fibre concentrations of asbestos dust in shipyard insulation processes. Ann. Occup. Hyg. 14:235-240.

46. Selikoff, I.J. Churg, J., and E.C. Hammond. 1965. The occurence of asbestosis among insulation workers in the United States. Ann. N.Y. Acad. Sci. 132(1): 139-155.

48. Reitze, W.R., Nicholson, W.J. Holaday, D.A., and I.J. Selikoff. 1972. Application of sprayed inorganic fiber containing asbestos:Occupational health hazards, Am. Ind. Hyg. Assoc. J. 33(2)178-191.

49. U.S. Dept. of Health, Education and Welfare. Criteria for a recommended standard: Occupation exposure to asbestos.

50. Gibbs, G.W. and C.Y. Hwang. 1975. Physical parameters of airborne asbestos fibres in various work environments-preliminary findings. Am. Ind. Hyg. Assoc. J. 36:459-466.

51. National Institute for Occupational Safety and Health. 1976. Revised recommended asbestos standard DHEW (NIOSH) Publication No. 77-169.

42. Hammond, E.C. Selikoff, I.J., and J. Churg. 1965. Neoplasia among insulation workers in the United States with special reference to intro-abdominal neoplasia. Ann. N.Y. Acad. Sci. 132(1):519-523.

43. Selikoff, I.J. 1976. Lung cancer and mesothelioma during propsective surveillance of 1249 asbestos insulation workers, 1963-1974. Ann. N.Y. Acad. Sci. 271:448-58.

45. Harries. P.G. 1971. A comparison of mass and fibre concentrations of asbestos dust in shipyard insulation processes. Ann. Occup. Hyg. 14:235-240.

46. Selikoff, I.J. Churg, J., and E.C. Hammond. 1965. The occurence of asbestosis among insulation workers in the United States. Ann. N.Y. Acad. Sci. 132(1): 139-155.

48. Reitze, W.R., Nicholson, W.J. Holaday, D.A., and I.J. Selikoff. 1972. Application of sprayed inorganic fiber containing asbestos:Occupational health hazards, Am. Ind. Hyg. Assoc. J. 33(2)178-191.

49. U.S. Dept. of Health, Education and Welfare. Criteria for a recommended standard: Occupation exposure to asbestos.

50. Gibbs, G.W. and C.Y. Hwang. 1975. Physical parameters of airborne asbestos fibres in various work environments-preliminary findings. Am. Ind. Hyg. Assoc. J. 36:459-466.

51. National Institute for Occupational Safety and Health. 1976. Revised recommended asbestos standard DHEW (NIOSH) Publication No. 77-169.