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- Redwell 1 Article entitled "Neoplastic Risk Among Workers Exposed to Vinyl Chloride" by Richard J. Waxweiler, William Stringer, Joseph K. Wagoner, James Jones from Annals of the New York Academy of Sciences, Vol. 271, Occupational Carcinogenesis (1976)
- Article entitled "Epidemiology" by John F. Gamble, Ph.D. and Mario C. Battigelli, M.D. from Patty's Industrial Hygiene and Toxicology
- Article entitled "A Case-Control Study of Chemical Exposures and Brain Tumors in Petrochemical Workers" by Susan G. Austin, Sc.D. and A. Robert Schnatter, M.S. from Journal of Occupational Medicine, Vol. 25, No. 4, (04/83) [2 copies]
- Article entitled "A Cohort Mortality Study of Petrochemical Workers" by Susan G. Austin, Sc.D. and A. Robert Schnatter, M.S. from Journal of Occupational Medicine, Vol. 25, No. 4, (04/83)
- Article entitled "Relative Toxicity of Materials in Fire Situations" by Carlos J. Hilado, Heather J. Cumming and Colleen J. Casey from Modern Plastics (04/78)
- Article entitled "Cancer Mortality of a Group of Canadian Workers Exposed to Vinyl Chloride Monomer" by G. Theriault, M.D., Dr.P.H. and P. Allard, M.D., M.Sc. (~1981?)
- Follow-up article on cancer mortality of Canadian workers exposed to VCM by Giles Theriault, M.D., Dr.Ph. from the Journal of Occupational Medicine (1982)
- Article entitled "Epidemiological Study of the Lung Function of Workers at a Factory Manufacturing Polyvinylchloride" by M.H. Lloyd, S. Gauld, L. Copland and C.A. Soutar from British Journal of Industrial Medicine (1984)
- Redwell 2 Article entitled "How Polyvinyl Chloride Me . . . Health Rule" by Steven Rattner from The New York Times (12/28/75)
- Article entitled "'He's Healed,' First News Wife Wants" from The Cincinnati Enquirer (02/01/76)
- Article entitled "Lethal Plastics" by Mary McGrory from New York Post (12/30/75)

Book entitled "Preliminary Assessment of the Environment Problems Associated with Vinyl Chloride and Polyvinyl Chloride, Report on the Activities and Findings of the Vinyl Chloride Task Force" by the Environmental Protection Agency (09/74) [2 copies]

Redwell 3 New Release dated 08/16/79 announcing epidemiology study

Article (French) entitled "Affectations professionnelles liées à la fabrication de bouteilles plastiques en chlorure de polyvinyle (P.V.C.)" by J. Duport, P. Andlauer, M. Gattelet, J. Chalabreysse, M. Archimbaud, F. Teulon and R. Bertrand (1975)

Article entitled "Polychlorinated Biphenyls" from a Sierra Club Bulletin (1975)

Article entitled "Plastics -- a Potential Tragedy" by Ellen Stern Harris from the Los Angeles Times (12/14/75)

Memo dated 12/18/75 to E.W. Van Den Aneelee from S.F. Stowers attaching various newspaper articles from 12/75

Redwell 4 Internal correspondence dated 12/11/75 to A.A. Peterson from R.M. Arnold regarding results of B.F. Goodrich stripping system to remove residual VC from UCC suspension resins

Report explaining the B.F. Goodrich stripping process to remove residual VCM from aqueous suspensions of PVC resins

Redwell 5 Request for production of documents in Floren v. B.F. Goodrich (Iowa District Court)

Material Safety Data Sheets for the following:

Bakelite Vinyl Resin E-3000
Bakelite Vinyl Resin OSAN-7
Bakelite Vinyl Resin OSAH-7
Bakelite Vinyl-Chloride Resin Solution VYNC
Bakelite Vinyl Resin OSAH-7
Bakelite Vinyl-Ethylene Copolymer OSQH-7
Bakelite Vinyl Resin QSQF-7
Bakelite Vinyl Chloride-Acetate Resin VAGH
Bakelite Vinyl Chloride-Acetate Resin VAGD
Bakelite Vinyl Resin E-2000
Bakelite Vinyl Resin VYNA
Bakelite Vinyl Resin Solution VYNC
Bakelite Vinyl Solution Resin VYHB
Bakelite Vinyl Chloride-Acetate Resin VROH
Bakelite Vinyl Chloride-Acetate Resin VROH
Bakelite Vinyl Resin E-3000

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Bakelite Vinyl Resin VYNP
 Bakelite Vinyl Dispersion Resin QYNV
 Bakelite Vinyl Dispersion Resin QYKV
 Bakelite Vinyl Dispersion Resin QY-Series, General
 Bakelite Vinyl Resin VYSH
 Bakelite Vinyl Chloride-Acetate Resin VYNS
 Bakelite Vinyl Chloride-Acetate Resin VYND
 Bakelite Vinyl Chloride-Acetate Resin VYLF
 Bakelite Vinyl Chloride-Acetate Resin VYHH
 Bakelite Vinyl Chloride-Acetate Resin VYHD
 Bakelite Vinyl Chloride-Acetate Resin VERR
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 Bakelite Vinyl Chloride-Acetate Resin VMCA
 Bakelite Vinyl Chloride-Acetate Resin VMCC
 Bakelite Vinyl Chloride-Acetate Resin VMCH
 Bakelite Vinyl Chloride-Acetate Resin VYNW
 Bakelite Vinyl Resin QSAN-7

Redwell 6 Literature Survey and Engineering Opinions on
 "Polyvinyl Chloride - Vinyl Chloride Monomer" regarding
 Maliko, Mazanowski, Wilkinson and Schaffer v. Union
 Carbide, prepared by R.N. Wheeler, Jr. (04/10/78)

Redwell 7 Comments dated 02/10/75 by R.N. Wheeler to the report
 on "Environmental Aspects of Vinyl/Polyvinyl Chloride"
 by U.S. EPA (10/15/74)

Briefing Report on "Environmental Aspects of
 Vinyl/Polyvinyl Chloride" by the U.S. EPA (10/15/74)

Article dated 04/04/74 from Environmental News
 regarding the EPA formings a VC task force and
 enclosing a report by Glenn E. Schweitzer on
 "Environmental Concerns Beyond the Workplace" [2
 copies]

Redwell 8 Article entitled "Clinical Aspects of Vinyl Chloride
 Disease: Skin" by Dr. Anne E. Walker of Royal
 Hospital, Chesterfield, Derbyshire from the Section of
Occupational Medicine dated 04/76

Search dated 07/08/81 of database for articles on
 Acroosteolysis, Scleroderma, and Raynaud's phenomenon
 or syndrome

Internal correspondence dated 06/04/84 to R.N. Wheeler
 from Shirley Conner sending a search run on Medlin for
 the causes of scleroderma on medical literature through
 the mid 1960s

Report entitled "Influence of Polyvinyl Chloride Dust
 on Rat Respiratory System" by J. Popow dated 1969

Memorandum dated 08/15/74 by R.R. Patrick on vinyl Chloride proposal for an emission inventory at the South Charleston Plant

Report entitled "Dust Determination of Total and Respirable Airborne Dust by Membrane Filter Sampling and Gravimetric Analysis" dated 03/12/74

- Redwell 9 Employee roster dated 02/01/67
- Redwell 10 Database search for articles on acroosteolysis and copies of articles found
- Redwell 11 Report entitled "Respiratory Complications of Burns" by W.A. Crosbie
- Redwell 12 Article entitled "The Correlation of Clinical and Environmental Measurements for Workers Exposed to Vinyl Chloride" by C.G. Kramer, M.D. and J.E. Mutchler (01/72) [2 copies]

Internal correspondence dated 04/02/74 to Drs. A.B. Steele and N.L. Zutty from W.B. Ackart regarding FDA news release

Internal correspondence dated 03/20/74 to Messrs. G.P. Bigelow and R.E. Gulick from J. John Brezinski regarding new FDA status for vinyl chloride based polymers in food contact applications

Article entitled "Angiosarcoma of the Liver: An Epidemiologic Survey" by Judith Brady, B.S., Florinda Liberatore, Philip Harper, B.S., Peter Greenwald, M.D., William Burnett, M.D., J.N.P. Davies, M.D., Monica Bishop, M.D., Adele Polan, M.A., and Nicholas Vianna, M.D. from the National Cancer Institute dated 11/77

Article entitled "Angiosarcoma of the liver in Great Britain, 1963-73" by Peter J. Baxter, Peter P. Anthony, Roderick N.M. MacSween, Peter J. Scheuer from the British Medical Journal (10/08/77)

Article entitled "Mortality Experience of Workers in a Vinyl Chloride Monomer Production Plant" by Patricia A. Buffler, Ph.D., Susan Wood, M.A., Clayton Eifler, Ph.D., Lucina Suarez, M.S. and Duane J. Kilian, M.D.

Article entitled "Vinyl Chloride Exposure in a Controlled Industrial Environment" by Marvin Gerald Ott, M.S., Ralph R. Langner, Ph.D., Benjamin B. Holder, M.D. from Archives of Environmental Health, Vol. 31, 07/75

Report dated 07/23/75 by W.G.F. Adams entitled "Is PVC Dust a Hazard?"

Redwell 13 Letter dated 07/18/84 to Walter Conrad, Esq. Peter F. Davey regarding proposed answers to interrogatories in Bell v. Union Carbide

Letter dated 05/23/84 to Peter Davey from Walter Conrad discussing responses to plaintiff's interrogatories in Bell v. Union Carbide

Response to interrogatory No. 21

List of safety directors dated 07/27/84 for Bell v. Union Carbide

Redwell 14 Memorandum on permanent occupational safety and health standard - exposure to vinyl chloride

Redwell 15 Internal correspondence dated 09/07/72 to D.E. Deese from B.L. Murray regarding environmental health program for monitoring vinyl chloride exposures at the South Charleston plant

Letter dated 05/02/66 to Carl Twickler from R.N. Wheeler in response to a student's request for information on the vinyl chloride process

Memorandum dated 12/07/65 from M.E. Eisenhour of Union Carbide (Texas City) circulating a report entitled "Mild Caustic Scrubbing of Vinyl Chloride Monomer Before Use in Solvent Vinyl Reactions" by T.L. Rapp summarizing the advantages that have been realized in the production of solvent vinyl resins by the removal of HCl from VCM

Memorandum dated 06/07/66 to C.F. Koch from R.C. Lawrence regarding a meeting held discussing the analyzer performance since receipt of the order to overhaul the analyzer system (South Charleston plant)

Analysis dated 09/16/66 by P.R. Douglas of No. 1 Cracking Furnace (South Charleston plant)

Analytical report dated 07/24/74 on gas chromatography by Gollob Analytical Service Corp.

Internal correspondence dated 12/19/74 to R.N. Wheeler from F.B. Crowder reporting on analysis of VCM sample taken on 12/05/74 using gas chromatographic method

Excerpt from competitive latex manual (VC1 section)

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Off-line bibliographic citation list generated by Medlars II dated 05/31/84 on "scleroderma"

Off-line bibliographic citation list generated by Medlars II dated 07/10/81 on "vinyl chloride disease"

Off-line bibliographic citation list generated by Medlars II dated 07/11/81 on "vinyl chloride disease"

Off-line bibliographic citation list generated by Medlars II dated 05/31/84 on "scleroderma" [4 lists]

Report entitled "Occupational Vinyl Chloride Intoxication" by V.A. Antonyuzhenko for U.S. Department of Commerce, National Technical Information Service dated 1968

- Redwell 16 Article entitled "Testing of PVC Films Produced by the Electrochemical Combination at Bitterfield with Regard to Their Toxicity" by Bernt

Letter dated 11/28/78 to R.L. Hollingshead from R.N. Wheeler regarding Maliko, et al. and discussing the epidemiological study of the mortality of workers exposed to vinyl chloride in the FRG (Germany)

Comments by G.M. Paddle to "An Epidemiological Study of the Lung Function of Workers at a Factory Manufacturing Polyvinylchloride"

Report discussing experiment to evaluate the risk of oncogenesis from the exposure of a community to a single, massive dose of vinyl chloride

Report on "Existing Knowledge of Physiological Effects of Vinyl Chloride"

Report dated 09/01/71 by Chemical Hygiene Fellowship, Mellon Institute, Carnegie-Mellon University (Carrol S. Weil, M.A. and Charles P. Carpenter, Ph.D.) on miscellaneous toxicity studies from Union Carbide

Report dated 08/24/84 on vinyl chloride toxic hazards and precautions

- Redwell 17 Interrogatory No. 22 - Literature Cited

Cover letter dated 12/07/88 to Peggy Whipple, Esq. from Thomas Reitz (Union Carbide) sending PVC "R.N. Wheeler" files for her review to assist in responding to discovery in "Dendinger and Wallace, et al. v. Chrysler, et al."

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Redwell 18 Statement of Carl U. Dernehl, M.D., Associate Medical Director, Union Carbide Corporation, prepared for presentation at the Department of Labor hearing on vinyl chloride occupational exposure standard (06/25/74)

Special report dated 08/54 on toxicity of pyrolysis products of fluorothene resins by Mellon Institute of Industrial Research, University of Pittsburgh (specifically, Henry F. Smyth, Jr., Charles P. Carpenter, U.C. Pozzani, Paul E. Palm, John H. Nair, III, George A. Keck)

Replacement page from special report 10-129; 1947

Article (translation) entitled "Pneumoconiosis Developing After Inhalation of Polyvinyl Chloride" by Szende B, Lapis K., Pinter A., Menes, A. and Tarjan E. (1971)

Article entitled "Influence of Polyvinyl Chloride (PVC) Dust on Rat Respiratory System" by J. Popow (1969)

Report on "The Monitoring of Poly(Vinyl Chloride) Decomposition Products Via GC/Mass Fragmentography" by Joseph W. Lewis of Union Carbide's Research & Development Department

Redwell 19 Article entitled "Carcinogenicity Bioassays of Vinyl Chloride: Current Results" by Cesare Maltoni and Giuseppe Lefemine

Report entitled "On the So-Called Vinylchloride Disease" by S. Juhe, G.E. Lange, G. Stein and G. Veltman (1973)

Translation of article entitled "The Problem of Vinyl Chloride as a Carcinogen" by Y. Kobayashi

Article in a foreign language (received 04/08/80)

Report of a survey carried out at the Hillhouse Works of Imperial Chemical Industries Limited from the Institute of Occupational Medicine dated 10/79

Article entitled "Chromosomal Damage in Men Occupationally Exposed to Vinyl Chloride Monomer and Other Chemicals" by Clark W. Heath, Jr., M.D., Cheryl R. Dumont, M.T., John Gamble, Ph.D., and Richard J. Waxweiler, M.S.I.E.

Article entitled "Plastics and Their Occupational Health Importance" by O. Guenther

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Article entitled "Die Kunststoffe und ihr arbeitsmedizinische Bedeutung" by Von O. Gunther

Article entitled "Effects of Single and Repeated Exposures of Humans and Rats to Vinyl Chloride" by D. Lester, Ph.D., L.A. Greenberg, Ph.D., and W. Robert Adams, M.D. (does not agree that threshold limit value should be reduced ten-fold)

Article entitled "Detecting small quantities of residual vinyl chloride monomer" by S.G. Gilbert, J.R. Giacin, J.R. Morano, and J.D. Rosen

Article entitled "Resolution of Dose-Response Toxicity Data for Chemicals Requiring Metabolic Activation: Example -- Vinyl Chloride" by P.J. Gehring, P.G. Watanabe, and C.N. Park (1978)

Article entitled "Risk of Angiosarcoma in Workers Exposed to Vinyl Chloride as Predicted from Studies in Rats" by P.J. Gehring, P.G. Watanabe, and C.N. Park (1979)

Article entitled "Measurements of Vinyl Chloride from Aerosol Sprays" by Bruce W. Gay, Jr., William A. Lonneman, Kenneth Bridbord, and John B. Moran

Article on meeting 09/12/75 on vinyl chloride from the Section of Occupational Medicine, President Suetta Gauvain, M.R.C.P.

Article dated 10/76 from the Journal of Occupational Medicine entitled "Effect of Occupational and Nonoccupational Factors on the Respiratory System of Vinyl Chloride and Other Workers" by John Gamble, Ph.D., Shuguey Liu, M.S., A.J. McMichael, M.D., Ph.D., and Richard J. Waxweiler, M.S.I.E.

Article entitled "Mortality experience of workers exposed to vinyl chloride monomer in the manufacture of polyvinyl chloride in Great Britain" by A.J. Fox and P.F. Collier from the British Journal of Industrial Medicine, 1977

Article on "Hologenated Unsaturated Hydrocarbons"

Report (translation) entitled "Problems of Occupational Hygiene and the State of Health of Workers Employed in Manufacturing Latex Polyvinyl Chloride" by V.S. Filatova, Ye.Sh. Gronsberg, N.A. Smirnova, Ye.A. Stulova, I.V. Oreshkevich (1965)

Article entitled "Chemicals That Cause Cancer, No Matter Where in Environment, Face Tight Government

Controls" from The Chemical Marketing Newspaper
(04/12/71)

Article entitled "The Toxicity of Vinyl Chloride as Determined by Repeated Exposure of Laboratory Animals" by T.R. Torkelson, M.S., F. Oyen and V.K. Rowe, M.S. (1961)

"Vinyl Chloride Code of Practice for Health Precautions" (02/75)

Article entitled "Lifespan Oral Toxicity Study of Vinyl Chloride in Rats" by V.J. Feron, C.F.M. Hendriks n, A.J. Speek, H.P. Til and B.J. Spit (1980)

Article entitled "One-Year Time-Sequence Inhalation Toxicity Study of Vinyl Chloride in Rats, III. Morphological Changes in the Liver" by V.J. Feron, B.J. Spit, H.R. Immel and R. Kroes (1979)

Article entitled "Oncogenic Response of Rat Skin, Lungs, and Bones to Vinyl Chloride" by P.L. Viola, A. Bigotti and A. Caputo (1971)

Personnel list showing continuous service date and normal retirement date (08/72)

Personnel list showing continuous service date and normal retirement date (01/73)

Personnel list showing continuous service date and normal retirement date (01/72)

Personnel list showing continuous service date and normal retirement date (01/71)

Personnel list showing continuous service date and normal retirement date (01/70)

Personnel list showing continuous service date and normal retirement date (01/69)

Personnel list for vinyl resins areas 1, 2 and 3 (11/17/67)

Article entitled "Hepatic Disease among Workers at a Vinyl Chloride Polymerization Plant" by Henry Falk, M.D., John L. Creech, Jr., M.D., Clark W. Heath, Jr., M.D., Maurice N. Johnson, M.D., Marcus M. Key, M.D.

Table of contents for a food additive petition for an amendment to regulation 121.2514 providing for us of copolymers in coatings intended for use in contact with foods

Redwell 20 Newspaper article entitled "Carbide Uncertain of Ruling Impact" discussing new EPA regulations designed to nearly eliminate vinyl chloride from the air at dozens of chemical plants around the country

Article entitled "The Plastic Coffin of Charlie Arthur" dated 01/15/76 from Rolling Stone

Article entitled "60 Carbide Workers Affected by Union Shutdown" from The Charleston Gazette dated 01/08/76

Article entitled "Uniroyal to Close Plant in Painesville, Ohio, Due to PVC Standards" from The Wallstreet Journal dated 10/03/75

Article entitled "Carbide Plans to Shut Down Vinyl Facility" from The Charleston Gazette dated 01/06/76

Union Carbide Press release "Union Carbide to Withdraw from Vinyl Dispersion Resin Business; Makes Long-Term Commitment to Solution and Suspension Vinyl Business" for release 01/08/76

Memo dated 02/14/80 to ORC Occupational Safety and Health Group, Physicians Group and Health Lawyers Group from Richard F. Boggs (Organization Resources Counselors, Inc.) sending a copy of the article entitled "Safe and Healthful Working Conditions: The Case of Vinyl Chloride" by Charles R. Perry

Note from Frank to E.W. Van Der Ameele

Letter dated 03/05/75 from Sidney Williams (Dept. of Health, Education and Welfare) to Dr. J. John Brezinski (Union Carbide) reporting on results of the round robin tests for VCM in PVC blood bags

Abstracts of papers submitted for publication on the mortality study of workers exposed to VCM

Report entitled "U.S. Polyvinyl Chloride Supply/Demand and Growth Trends: Polyvinyl Chloride Operations Under Current and Future Government Regulations Concerning Vinyl Chloride Monomer" presented at the Technical Sales Seminar on Plastics Productions and Technology Sponsored by the U.S. Department of Commerce by Dr. Paul A. Lobo

Page from an article in the Federal Register

Article entitled "The 'Healthy Worker Effect' - Fact or Artifact?" by Sidney Shindell, M.D., L.L.B., Robert F. Weisberg, Ph.D., and Eldred E. Giefer, B.A. from the

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Journal of Occupational Medicine, 12/78 [numerous copies]

Internal correspondence dated 01/30/79 from R.L. Foster on the inventory of toxic air emissions - W. Va. CAG

Internal correspondence dated 03/11/76 to Dr. J.J. Brezinski, Dr. C.E. Colwell, Mr. R.J. Hutchinson, Mr. R.N. Wheeler and Mr. J.W. Whittlesey from W.B. Ackart attaching the SPI Report No. 17 from Jerry Heckman of Keller and Heckman

Answers of Union Carbide to written questions in "Mrs. Florence Johnson v. American Motorists Ins. Co.," Galveston County, Texas, 56th Judicial District, No. 118,988

Letter dated 07/07/81 to John Whittlesey from Walter Conrad (Baker & Botts) regarding "Galletti v. Union Carbide"

Internal correspondence dated 11/14/80 to John Whittlesey from David Glenn, M.D. regarding information provided to respond to a request for production in "Galletti v. Union Carbide"

First interrogatories to defendant in "Galletti v. Union Carbide"

First interrogatories to defendant in "Johnson v. Union Carbide"

Plaintiff's request for production in "Galletti v. Union Carbide"

Answers of Union Carbide to plaintiff's first set of interrogatories in "Galletti v. Union Carbide"

Internal correspondence dated 06/12/81 to R.N. Wheeler from R.L. Frantz commenting on questions posed in Walter Conrad's letter of 03/19/81 to John Whittlesey regarding "Johnson v. Union Carbide"

Internal correspondence dated 02/13/80 to J.W. Whittlesey from D.C. Heyen sending the first attempt to respond to discovery in "Johnson v. American Motorists"

Answer of Union Carbide to plaintiff's first set of interrogatories in "Johnson v. Union Carbide"

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