PLAINTIFF'S EXHIBIT
UC-846

~~TABBED~~
~~DX6923 24-28~~
file UC, INDEX

UNION CARBIDE CORPORATION
METALS DIVISION

P.O. BOX K, KING CITY, CALIFORNIA 93930

January 12, 1984

Jerald S. Weigler, Esq.
Lindsay, Hart, Neil & Weigler
Columbia Square, Suite 700
111 S.W. Columbia
Portland, OR 97201

Dear Jerry:

Under separate cover, via UPS, I am sending you samples of the current bags we use for RG-144 and RG-244, and plastic bags which were used to "overwrap" the paper bags in 1969 and until 1974/1975, when we began using shrink-film. The open mouth of the plastic bags was heat-sealed to preclude the release of fibers during storage and handling of the products.

Enclosed are "miniature" copies of the bags we used for RG-144 and RG-244 in the late 60's and early 70's. These were provided by our bag supplier and are exact reproductions of the actual bags. These are the bags which would have been overwrapped with the heat-sealed plastic bags.

Per our discussion in Danbury, enclosed are two literature lists which were used by salesmen, distributors, and customers to request information. One is for products and applications and the other we called "safe use literature".

RECEIVED
JAN 16 1984
A184 84 CHARLES C [illegible]

Also enclosed is a sheet called "Asbestos Education". I prepared this in 1977 to summarize Union Carbide's interest in the safe use of asbestos and how we inform employees and customers of the asbestos health situation. The back of this sheet has another listing of "safe use literature", probably more current than the other sheet.

Let me know if you have any questions or require additional information. It was a pleasure meeting you in Danbury.

Very truly yours,

UNION CARBIDE CORPORATION

John L. Myers
Product & Production Manager

/ljg

Encl:

cc: S. L. Baye
C. C. Ivie

A 18485

Union Carbide trial exhibit UC-846: John L. Myers to Jerald S. Weigler on Calidria Bag Samples, Literature Lists an...
ACL Doc 16058 · Page 3 of 9
Published by AsbestosClaims.Law
asbestosclaims.law/library/16058/3

NET WEIGHT 10 LBS.

UNION CARBIDE

Calidria ASBESTOS

RESIN GRADE 244

A 184486

WARNING: BREATHING DUST MAY BE HARMFUL

DO NOT BREATHE DUST

UNION CARBIDE CORPORATION
NEW YORK, N.Y.

RG-244

Calidria ASBESTOS

RG-244

RG-244

Calidria ASBESTOS

NET WEIGHT 10 LBS.

UNION CARBIDE

Calidria ASBESTOS

RESIN GRADE 244

WARNING: BREATHING DUST MAY BE HARMFUL

DO NOT BREATHE DUST

UNION CARBIDE CORPORATION
NEW YORK, N.Y.

RG-244

Calidria ASBESTOS

This was a white bag with red lettering

Union Carbide trial exhibit UC-846: John L. Myers to Jerald S. Weigler on Calidria Bag Samples, Literature Lists an...
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Published by AsbestosClaims.Law
asbestosclaims.law/library/16058/4

RG - 144

Calidria ASBESTOS

NET WEIGHT 35 LBS

UNION CARBIDE

Calidria ASBESTOS

RESIN GRADE 144

WARNING: BREATHING DUST MAY BE HARMFUL
DO NOT BREATHE DUST

UNION CARBIDE CORPORATION
NEW YORK, N.Y.

A18487

RG-144

This was a white bag with Blue lettering.

RG - 144

Calidria ASBESTOS



NET WEIGHT 35 LBS

UNION CARBIDE

Calidria ASBESTOS

RESIN GRADE 144

WARNING: BREATHING DUST MAY BE HARMFUL
DO NOT BREATHE DUST

UNION CARBIDE CORPORATION
NEW YORK, N.Y.

RG - 144

COMPANY NAME_____ MAN'S NAME_____

DATE_____

I GENERAL

A - "Calidria" Booklet
B - Business Reply Card
C - Rubber Booklet
D - Grinding Asbestos Pellets
E - New Additives Induce Thixotropy - Reprint of JLM Speech
F - New Idria Chrysotile an Unusual Ore Yields New Products - RGW
G - Zeta Potentials of Some Minerals
H - Mineralogy of the Coalinga Asbestos Deposit - FAM & CST
I - Bulk Handling Demonstration
J - Electron Micrograph Illustrations
K - Asbestos Magazine Reprint - JLM - Pellets
L - Rubber World Reprint
M - Suggested Primer Sealer for Masonry and Weathered Roofing, 3JG-123B
N - Suggested Exterior White Hi-Build Flexible Coating, 3JG-124B
O - Suggested Exterior White Insulating Roof Coating, 3JG-121B
P - Suggested Weather-Barrier Roof Coating and Lagging Compound, E-1297

II RESIN GRADE PRODUCTS

A - General
1. "Calidria" RG-144 & RG-244
2. Use of Cowles Dissolver
3. "Calidria" RG Products for Vinyl Plastisol Sealant Applications
4. "Calidria" Asbestos for a High Build Dip Coating Plastisol NF-12
5. "Calidria" RG-144 & RG-244 Asbestos in PVC Plastisols
6. Rubber Research Elastomerics
7. Plasticizer Viscosity Control with "Calidria" Asbestos RG-244 & RG-144
8. Thickening Agents for Nitrocellulose and Alkyd Lacquers
9. Thixotropic Agents for Bitumen-Wax Auto Underseal
10. Thixotropic Agents for Dow "Derakane" Resins

B - RG-110 (Price Schedule)
1. Viscosity Control Agent for Asphaltic Compounds
2. Polyester Premixes Comparative Cost & Performance Data

C - RG-144 (Price Schedule)
1. RG-144 Brochure
2. RG-144 Performance Data
3. RG-144 Product Characteristics
4. RG Asbestos Improves Thixotropic Properties of Highway Markers
5. PVP Reprint
6. Asbestos Beefs up Plastics & Adhesives to Extend their Use

D - RG-244 (Price Schedule)
1. RG-244 Brochure
2. RG-244 Comparative Performance Characteristics
3. RG-244 Typical Physical Characteristics
4. Ultrasonic Dispersion of RG-244
5. RG-244 as a Thixotrope for Polyester Resins
6. Polyester Putty & Patching Compounds
7. "Epoxy Coal Tar Coatings"
8. "Chlorinated Rubber Roofing Compound"
9. High Build Vinyl Maintenance Paints
10. Zinc-Rich Primers
11. Vinyl Coal Tar Formulation Suggestions
12. Formulating Plastisol Sealants w/Silane Adhesion Promoters-Tech. Letter No. 30
13. RG-244 Health Brochure

A 18488

E - RG-600 Brochure
1. Cost Effectiveness Optimization of Reinforced Polyolefins - 10/4-7/76
2. RG-600 Inquiry Form
3. Coupled Chrysotile Asbestos Reinforced Thermoplastics (Ancker)
4. RG-600 Request Form
5. RG-600 Patent Literature - 3,928,278; 12/23/75
6. RG-600 Health Brochure
7. Reinforced Polyolefins for Large Structural - Foam Parts 2/8-11/77
8. Structural foam is launched into an era of great diversification - August 1976

III STANDARD GRADE PRODUCTS

A - General
1. "Calidria" Asbestos Standard Grade Products, Typical Properties

B - SG-100 (Price Schedule)
1. SG-100 "Calidria" Asbestos for use in Vinyl and Asphalt Floor Coverings
2. SG-100 Saves up to 1/2 the Amount of Asbestos
3. Flintkote Report

C - SG-130 (Price Schedule)

D - SG-200/SG-200X (Price Schedule)
1. SG-200/SG-200X Product Characteristics

E - SG-210 (Price Schedule)
1. UCAR Latex 153 for Water-Based Caulks and Sealants
2. Typical Product Characteristics & Specifications SG-210

IV HIGH PURITY

A - General
1. Effects of Chrysotile Asbestos Additions to Cellulosic Paper - RGW
2. "Calidria" "High Purity" Asbestos for Porosity Control, Pinhole Reduction, and Improvement in Two-Sidedness
3. Properties of Asbestos Suitable for use in Cellulosic Paper
4. How High Purity Asbestos is used for Pitch Control in Papermaking
5. Paper Trade Journal - Asbestos Product Aids Retention, Boosts Opacity and Disperses Pitch
6. "Calidria" Asbestos for Paper Coatings

B - High Purity Open (Price Schedule for HPO & HPP)
1. Typical Product Characteristics for HPO
2. Suggested Dark Green Acrylic Tennis Court Topcoat E-1400
3. Calidria Asbestos for Fibrated Aluminum Asphalt Coatings

C - High Purity Pellets
1. Typical Product Characteristics for HPP

V TITANATED PRODUCTS

A - T-135 (Price Schedule)
1. T-135 Opacifying Agent
2. "Calidria" Asbestos T-135 for Viscosity Control & Pigmentation
3. Chemical 26 Reprint-Checking Opacity

VI COATING GRADES

A - CG-135 (Price Schedule)

A18489

VII DRILLING

A - Oil and Gas Journal Reprint

COMPANY _____ MAN'S NAME _____

DATE _____

LITERATURE AVAILABLE FOR MAILING ON THE SAFE USE OF ASBESTOS

1. Material Safety Data Sheet & Typical Chemical & Spectrographic Analysis of "Calidria" Asbestos
2. Testimony by George W. Wright, M.D. before U.S. Dept. of Labor, Occupational Safety & Health Hearing on Proposed Occupational Asbestos Standard, March 14-17, 1972
3. Testimony by J. Corbett McDonald, M.D. - same as above
4. OSHA Regulations - 6/7/72
5. EPA Regulations - 4/6/73
6. NY Times Article and Rebuttals (Article - 1/21/73, Rebuttals - 2/25/73)
7. AIA Response to the Wall Street Journal - 6/15/72
8. "Airborne Asbestos" National Research Council, 1971
9. "Airborne Asbestos" - Summary
10. "Airborne Asbestos" - References
11. Asbestos Bulletin (Asbestos Information Committee, London - 9/72)
12. CIBA GEIGY - UK 2/72
13. QAMA Folder
14. WHO Report - 10/5 & 6/72
15. Target Health Hazard Fact Sheet (SILICA)
16. "Asbestos Has Its Defenders" - The Journal of Commerce, 4/20/73
17. "The Familiar Aroma of Panic" - Editorial, Plastics Technology 3/73
18. Dust Counting - S. G. Bayer, R. D. Zummalde, T. A. Brown - Feb. 1969 U.S. Dept. of Health, Education and Welfare
19. Dust Monitoring Equipment & Costs
20. AIA - "Protecting The Asbestos Worker
21. AIA - "Asbestos and Health"
22. AIA - "The Asbestos Information Association/North America"
23. AIA - "Asbestos and Health Questions and Answers"
24. AIA - "What Asbestos Is: How and Where It Is Used"
25. The Northern Miner - "Asbestos Completely Exonerated As Dangerous To Public Health
26. Partnership for Prevention - "The Insulation Industry Hygiene Research Program"
27. Asbestos - Reprint from National Safety News
28. AIA Answer to TIME magazine
29. AIA/"What Every Employee Should Know About Asbestos"

A1849C

Union Carbide has mined asbestos ore and operated an ore benefication plant in California since 1963. We market asbestos fibers for industrial applications, but we do not make any products from asbestos.

We have provided medical surveillance for our asbestos plant employees and conducted air monitoring since 1963. Some of our plant areas are currently monitored as often as once per month to ensure that our dust control measures are effective. Safety meetings, posters, and individual consultations are some of the means used to advise employees of the asbestos health hazard. The use of safety equipment is rigidly enforced and employees are constantly reminded of safe procedures and precautions to take to preserve their health. Smoking has always been prohibited in certain plant areas and has been generally discouraged by communicating to employees the apparent connection between an increase in lung cancer and asbestos workers who smoke. Since January 1, 1977, smoking has been prohibited on all plant property. Medical surveillance has included chest X-ray and pulmonary function analysis, and we have recently added sputum cytology to our medical program. Before initiating new rules or programs, we thoroughly discuss them with employees. This facilitates the implementation of changes and demonstrates to our employees why we are making the changes. They can then understand our reasons and cooperate with us in establishing a safe working environment.

Our customer "education" includes mailings and personal contact through meetings, seminars and sales calls. Our salesmen are thoroughly familiar with the asbestos health hazard and are aware of regulatory requirements, safe handling methods, etc. Our bags of asbestos have carried a warning label since 1968, four years before the Federal OSHA standards were promulgated to require this, air monitoring, medical surveillance, and other safety measures. We have provided free air monitoring for our customers for several years. This often provides us with the opportunity to discuss the asbestos hazard and safety precautions with our customer's employees. We have prepared booklets containing information related to specific applications. These booklets contain general information on the asbestos health hazard, regulatory requirements, typical air monitoring results and other pertinent items. We have also prepared information for presentation to technical society meetings or any group who is interested in the asbestos/health story. We have in our files a large number of items which we send to customers, and including all of them with this document would make it very voluminous. The attached list of them is essentially complete and the items are available for immediate mailing, if so desired.

The State of California recently enacted an Occupational Carcinogens Control Act, and asbestos is one of the 16 substances affected by it. The CAL-OSHA Asbestos Standards have been modified to include the provisions of the Act, which also provides for a massive education program. We have worked closely with State personnel to develop standards which are effective and also practical and enforceable. We have participated heavily in the education program, "Preventing On-The-Job-Cancer", by serving on panels and assisting in workshops held at four different California cities in June and July.

Asbestos can be used safely in essentially all of its many applications. The key to safe working and public environments is a thorough knowledge of its potential health hazards and how to handle and use it without creating excessive airborne contamination.

A 18491

Prepared by John L. Myers, Marketing Manager
Union Carbide Corporation-Metals Division
Niagara Falls, NY - August 29, 1977

INFORMATION AVAILABLE FROM UNION CARBIDE CORPORATION ON THE HEALTH HAZARDS OF ASBESTOS AND HOW TO USE IT SAFELY

Material Safety Data Sheet & Typical Chemical & Spectrographic Analysis of "Calidria" Asbestos
Testimony by George W. Wright, M.D. before U.S. Dept. of Labor, Occupational Safety & Health Hearing on Proposed Occupational Asbestos Standard, March 14-17, 1972
Testimony by J. Corbett McDonald, M.D. - same as above
OSHA Regulations
EPA Regulations
"Airborne Asbestos" National Research Council, 1971
"Airborne Asbestos" - Summary
"Airborne Asbestos" - References
Asbestos Bulletin (Asbestos Information Committee, London - 9/72)
CIBA CEIGY - UK 2/72
QAMA Folder
WHO Report - 10/72
Dust Counting - S. G. Bayer, R. D. Zummalde, T. A. Brown - Feb. 1969 (NIOSH/HEW)
Dust Monitoring Equipment & Costs - 2/19/73
Instructions for Sampling of Airborne Asbestos Fibers
Procedure for Pump Calibration used for Monitoring of Asbestos Dust Emissions
AIA - "Protecting the Asbestos Worker
AIA - "Asbestos and Health"
AIA - "The Asbestos Information Association/North America"
AIA - "Asbestos and Health Questions and Answers"
AIA - "What Asbestos Is: How and Where it Is Used"
AIA - "What Every Employee Should Know About Asbestos" - 2/74
AIA - "Asbestos In the Atmosphere"
AIA - "Asbestos in Water"
AIA - Molding & Fabrication of Asbestos-Containing Plastic Products, Work Practices
Partnership for Prevention - "The Insulation Industry Hygiene Research Program"-4/70
Asbestos - Reprint from National Safety News - 10/73
"Asbestos Health Question Perplexes Experts," C & EN - 12/10/73
Disputes on the Safety of Asbestos - New Scientist 3/7/74
JLM - "Chrysotile Asbestos in Plastics"
Asbestos & Silica Dust in the Drywall Industry. Part 1-Nov./Dec. 1975
Asbestos & Silica Dust in the Drywall Industry. Part 2-Jan./Feb. 1976
Detection of Chrysotile Asbestos in Airborne Dust from Thermosetting Resin Grinding - 1975
"Calidria" Asbestos Pellets - Health and OSHA Information
"Calidria" Asbestos RG-244 - Health and OSHA Information
"Calidria" Asbestos RG-600 - Health and OSHA Information
"Calidria" Asbestos Pellets - JLM, "ASBESTOS" - 10/71

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