

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Vinilen S. A.
Soriano, 883
Montevideo, Uruguay

Dear Sir:

On January 23, 1974, a public statement was released by The B.F. Goodrich Company concerning our investigation of the deaths of three employees at our Louisville, Ky. plant from a rare form of liver cancer, and the possible connections between these deaths and their work over a number of years in our PVC polymerization operations.

Later search of available medical records revealed that a fourth employee had died from the same cause, angiosarcoma of the liver, in 1968.

At the time of issuing our first statement on January 23, B.F. Goodrich provided all data we had at that time to the Kentucky Department of Labor, representative of the Federal Occupational Safety and Health Administration (OSHA) and to the National Institute of Occupational Safety and Health (NIOSH). These agencies are currently investigating these cases, are carrying out industry-wide epidemiological studies, and are in contact with European governments with major PVC industries. We are continuing to cooperate fully with these agencies.

Also cooperating with the government are 19 producers of vinyl chloride monomer and PVC under sponsorship of the Manufacturing Chemists Association, 1825 Connecticut Avenue, N.W., Washington, D.C. 20009. This group is sponsoring lengthy and in-depth toxicological and epidemiological studies on vinyl chloride and workers.

As yet no definite connection has been established between these four angiosarcoma cases and any of the some 50 chemicals which may have been used in polymerization of PVC or its compounds at our Louisville plant. Vinyl chloride monomer, a chlorinated hydrocarbon, is a primary suspect due to the fact it is a major raw material of high volatility to which our employees have probably had the greatest exposure. It should be pointed out that study of medical records at our other five plants have revealed no similar cases, and no others in the United States have been reported.

24779001

BFG34759

As you may know, some residual unpolymerized vinyl chloride monomer remains in commercial polyvinyl chloride polymers and compounds. The levels in Geon resins, plastics and latexes range from virtually undetectable levels to those high enough to suggest the possibility of detectable vapor concentrations in closed storage or in some processing steps, such as heated mixing equipment.

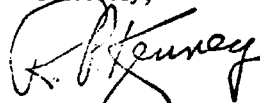
We are in no position to determine if the manner in which our vinyl products are used and stored in your plant constitute a potential problem since these operations are not under our control. We do, however, suggest that you review your own operational procedures and take appropriate action.

We would like to point out that the present investigations are confined to polymerization operations where the amount of vinyl chloride, the starting monomer, is much higher than it would be in any process we know involving finished polymer or compounds. In our plants we have reduced exposure to levels below 50ppm of vinyl chloride.

It is not the intent of this memorandum to state that the cause of angiosarcoma of the liver is exposure to vinyl chloride monomer but to point out to our customers that small, variable amounts of this raw material remain in the polymer in unchanged form and that it is one of the suspected chemicals.

We will do our best to keep you informed on this subject as investigations proceed.

Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779002

BFG34760

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Fabrica Uruguaya de Neumaticos S.A.
Camino Corrales 3076
Montevideo, Uruguay

Dear Sir:

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BFG34761

24779003

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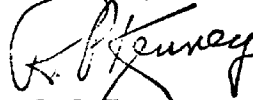
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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

BFG34762

24779004

241.1001A

RDS
These 2 ^{JMB} letters ^{in good} ^{are on}
ready to go ^{the situation} ASA
we have 20 ^{per} ^{of} ^{the} ^{letter.}
XX²/₁₁

BFG34763

February 11, 1974

Plasquin C. A.
Apartado de Correos 61.811
Caracas, Venezuela

Dear Leo:

Louisville Health Problem

Enclosed are ten copies of a letter we are sending to all customers who have purchased products containing vinyl chloride from us since July 1, 1973.

We are sending this letter to all PVC indent customers in Venezuela, including Industrias Rotoplast, Industrias Mayka, Multiplast, Flexol and Soccorso Santoro. Please send this letter to others to whom you have sold any Geon products since July 1, 1973, or for whom you now have orders for resale of Geon products, and send us promptly a list of all resale customers to whom you have sent it. In case you need more than ten copies, please cable us.

Very truly yours,

W. A. Mitchell

WAM:mm

Enclosures (10)

cc: R. D. Savage
M. W. Larson
R. E. Martin

24779005

BFG34764

February 11, 1974

Mr. Xavier Mupfer
Dinaco Representacoes e Comercio Ltda.
Caixa Postal 3725-EC-00
Rio de Janeiro, Brazil

WAM 2384

Dear Xavier:

Louisville Health Problem

Enclosed are ten copies of a letter we are sending to all customers who have purchased products containing vinyl chloride from us since July 1, 1973.

These customers include Dices, Picap, Kempel, Kelson's, Derex, Estrala, Hansen, Labortex, 3M, Real, and Sigla. Please send this letter to others to whom you have resold any of our products since July 1, 1973, or for whom you now have orders for resale of PVC products, and send us promptly a list of all resale customers to whom you have sent it. In case you need more than ten copies, please cable us.

Very truly yours,

W. A. Mitchell

WAM:mm
Enclosures--10
cc: Dinaco, S. P.
R. D. Savage
M. W. Larson
R. E. Martin

24779006

BFG34765

325

February 19, 1974

Plasquin C. A.
Apartado de Correos 61.811
Caracas, Venezuela

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Louisville Health Problem

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Very truly yours,

WAM

W. A. Mitchell

WAM:mm

Enclosures (10)

cc: R. D. Savage
M. W. Larson
~~R. E. Martin~~

24779007

BFG34766

B.F. Goodrich Chemical Company
A DIVISION OF THE B. F. GOODRICH COMPANY
5100 OAK TREE BOULEVARD - CLEVELAND, OHIO 44131 - PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Soccorso Santoro
Av. Aragua No. 264
Maracay, Edo Aragua, Venezuela

Dear Sir:

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24779008

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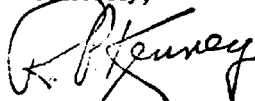
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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

BFG34768

24779009

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Plásticos Siadca C.A.
Apertado 6585
Caracas, Venezuela

Attn: J. J. Poincot

Dear Sir:

On January 23, 1974, a public statement was released by The B.F. Goodrich Company concerning our investigation of the deaths of three employees at our Louisville, Ky. plant from a rare form of liver cancer, and the possible connections between these deaths and their work over a number of years in our PVC polymerization operations.

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BFG34769

24779010

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R. P. Kenney
Vice President - International

RPK/vb

BFG34770

24779011

B.F. Goodrich Chemical Company
A DIVISION OF THE B. F. GOODRICH COMPANY
6100 OAK TREE BOULEVARD - CLEVELAND, OHIO 44131 - PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Plasticos Metalgrafica, S.A.
Apartado 314
Valencia, Venezuela

Attn: Ing. Henry Lilue

Dear Sir:

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BFG34771

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R. P. Kenney
Vice President - International

RPK/vb

24779013

BFG34772

B.F. Goodrich Chemical Company
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8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Polifilm de Venezuela, S.A.
Apertado de Chacao 4589
Caracas, Venezuela

Attn: Soli Shaio

Dear Sir:

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Vice President - International

RPK/vb

24779015

BFG34774

B.F. Goodrich Chemical Company

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8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Productos Daxex S. A.
Apartado 61136 Chacao
Valencia, Venezuela

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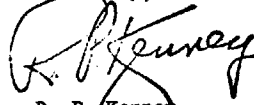
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R. P. Kenney
Vice President - International

RPK/vb

BFG34776

24779017

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Ratan-Plas, C.A.
Calle Argentina, Entre 7A
Avda. y Calle Real de Pro-Patria
Edif. Divenca
Caracas, Venezuela

Dear Sir:

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24779018

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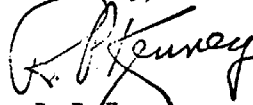
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RPK/vb

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BFG34778

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8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Simarflex C.A.
Av. Bolivar
Al Lado de la Luz Electrica
Catia, Caracas, Venezuela

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As yet no definite connection has been established between these four angiosarcoma cases and any of the some 50 chemicals which may have been used in polymerization of PVC or its compounds at our Louisville plant. Vinyl chloride monomer, a chlorinated hydrocarbon, is a primary suspect due to the fact it is a major raw material of high volatility to which our employees have probably had the greatest exposure. It should be pointed out that study of medical records at our other five plants have revealed no similar cases, and no others in the United States have been reported.

24779020

BFG34779

As you may know, some residual unpolymerized vinyl chloride monomer remains in commercial polyvinyl chloride polymers and compounds. The levels in Geon resins, plastics and latexes range from virtually undetectable levels to those high enough to suggest the possibility of detectable vapor concentrations in closed storage or in some processing steps, such as heated mixing equipment.

We are in no position to determine if the manner in which our vinyl products are used and stored in your plant constitute a potential problem since these operations are not under our control. We do, however, suggest that you review your own operational procedures and take appropriate action.

We would like to point out that the present investigations are confined to polymerization operations where the amount of vinyl chloride, the starting monomer, is much higher than it would be in any process we know involving finished polymer or compounds. In our plants we have reduced exposure to levels below 50ppm of vinyl chloride.

It is not the intent of this memorandum to state that the cause of angiosarcoma of the liver is exposure to vinyl chloride monomer but to point out to our customers that small, variable amounts of this raw material remain in the polymer in unchanged form and that it is one of the suspected chemicals.

We will do our best to keep you informed on this subject as investigations proceed.

Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779021

BFG34780

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Tele-Plastic, C.A.
Cerveceria A Fuente Republica
Caracas, Venezuela

Dear Sir:

On January 23, 1974, a public statement was released by The B.F. Goodrich Company concerning our investigation of the deaths of three employees at our Louisville, Ky. plant from a rare form of liver cancer, and the possible connections between these deaths and their work over a number of years in our PVC polymerization operations.

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24779022

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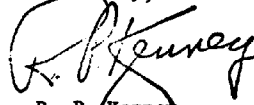
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We will do our best to keep you informed on this subject as investigations proceed.

Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779023

BFG34782

B. F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

6100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Tubenplast S.A.
Apartado 3744
Caracas, Venezuela

Attn: Ing. Jesus Paez

Dear Sir:

On January 23, 1974, a public statement was released by The B.F. Goodrich Company concerning our investigation of the deaths of three employees at our Louisville, Ky. plant from a rare form of liver cancer, and the possible connections between these deaths and their work over a number of years in our PVC polymerization operations.

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24779024

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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779025

BFG34784

B.F. Goodrich Chemical Company
A DIVISION OF THE B. F. GOODRICH COMPANY
6100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Tyresoles de Venezuela, C.A.
Apartado 40.110
Caracas, Venezuela

Attn: Rogelio Carrillo

Dear Sir:

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BFG34785

24779026

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Sincerely,



R. P. Kenney

Vice President - International

RPK/vb

BFG34786

24779027

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

**3 M Manufacturera Venezuela S.A.
Apartado No. 41
Valencia, Venezuela**

Dear Sir:

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BFG34787

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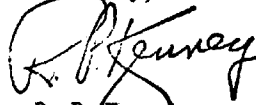
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R. P. Kenney
Vice President - International

RPK/vb

24779029

BFG34788

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

**Multiplast C.A.
Centro Comercial Sucre Av. Sucre
Caracas, Venezuela**

Dear Sir:

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BFG34789

24779030

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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779031

BFG34790

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Perfilplast C.A.
Urb. El Llanito, Edif. Cacique
Caracas, Venezuela

Dear Sir:

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24779032

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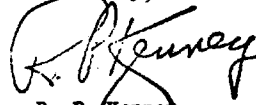
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R. P. Kenney
Vice President - International

RPK/vb

24779033

BFG34792

B.F. Goodrich Chemical Company
A DIVISION OF THE B. F. GOODRICH COMPANY
6100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Flexol
Centro Ind. Palo Grande, Av. Jose
Angel Lamas
Edif. No. 5, Local A-5
Caracas, Venezuela

Attn: Giuseppe Misumeci

Dear Sir:

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BFG34793

24779034

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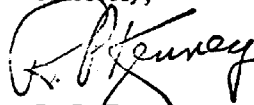
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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779035

BFG34794

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Playdeca
Apartado Postal No. 62410
Caracas, Venezuela

Attn: Dr. Hector Valencia

Dear Sir:

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BFG34795

24779036

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R. P. Kenney
Vice President - International

RPK/vb

24779037

BFG34796

B.F. Goodrich Chemical Company
A DIVISION OF THE B.F. GOODRICH COMPANY
6100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Industrias Mayka, S.R.L.
Esq. Puente Hierro
Edif. Amengual No. 7
Caracas, Venezuela

Dear Sir:

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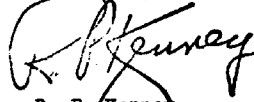
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We would like to point out that the present investigations are confined to polymerization operations where the amount of vinyl chloride, the starting monomer, is much higher than it would be in any process we know involving finished polymer or compounds. In our plants we have reduced exposure to levels below 50ppm of vinyl chloride.

It is not the intent of this memorandum to state that the cause of angiosarcoma of the liver is exposure to vinyl chloride monomer but to point out to our customers that small, variable amounts of this raw material remain in the polymer in unchanged form and that it is one of the suspected chemicals.

We will do our best to keep you informed on this subject as investigations proceed.

Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779039

BFG34798

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

6100 OAK TREE BOULEVARD · CLEVELAND, OHIO 44131 · PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

**Industria Venezolana de Cables
Electricos C. A.
Apartado 173
Valencia, Venezuela**

Dear Sir:

On January 23, 1974, a public statement was released by The B.F. Goodrich Company concerning our investigation of the deaths of three employees at our Louisville, Ky. plant from a rare form of liver cancer, and the possible connections between these deaths and their work over a number of years in our PVC polymerization operations.

Later search of available medical records revealed that a fourth employee had died from the same cause, angiosarcoma of the liver, in 1968.

At the time of issuing our first statement on January 23, B.F. Goodrich provided all data we had at that time to the Kentucky Department of Labor, representative of the Federal Occupational Safety and Health Administration (OSHA) and to the National Institute of Occupational Safety and Health (NIOSH). These agencies are currently investigating these cases, are carrying out industry-wide epidemiological studies, and are in contact with European governments with major PVC industries. We are continuing to cooperate fully with these agencies.

Also cooperating with the government are 19 producers of vinyl chloride monomer and PVC under sponsorship of the Manufacturing Chemists Association, 1825 Connecticut Avenue, N.W., Washington, D.C. 20009. This group is sponsoring lengthy and in-depth toxicological and epidemiological studies on vinyl chloride and workers.

As yet no definite connection has been established between these four angiosarcoma cases and any of the some 50 chemicals which may have been used in polymerization of PVC or its compounds at our Louisville plant. Vinyl chloride monomer, a chlorinated hydrocarbon, is a primary suspect due to the fact it is a major raw material of high volatility to which our employees have probably had the greatest exposure. It should be pointed out that study of medical records at our other five plants have revealed no similar cases, and no others in the United States have been reported.

24773040

BFG34799

As you may know, some residual unpolymerized vinyl chloride monomer remains in commercial polyvinyl chloride polymers and compounds. The levels in Geon resins, plastics and latexes range from virtually undetectable levels to those high enough to suggest the possibility of detectable vapor concentrations in closed storage or in some processing steps, such as heated mixing equipment.

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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

BFG34800

24779041

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

8100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Industrias Rotoplast de Venezuela C. A.
Marron A Pelots, Edif. Yonacura Ofic. 3A
Caracas, Venezuela

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24773042

BFG34801

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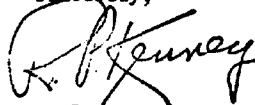
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Sincerely,



R. P. Kenney
Vice President - International

RPK/vb

24779043

BFG34802

B.F. Goodrich Chemical Company

A DIVISION OF THE B. F. GOODRICH COMPANY

6100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Fabrica de Sandalias Blue Star
Calle Colombia Entre 7A Avenida
& La Silsa, Local A
Catia, Caracas, Venezuela

Dear Sir:

On January 23, 1974, a public statement was released by The B.F. Goodrich Company concerning our investigation of the deaths of three employees at our Louisville, Ky. plant from a rare form of liver cancer, and the possible connections between these deaths and their work over a number of years in our PVC polymerization operations.

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BFG34803

24779044

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R. P. Kenney
Vice President - International

RPK/vb

BFG34804

24779045

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8100 OAK TREE BOULEVARD • CLEVELAND, OHIO 44131 • PHONE 216-524-0200

R. P. KENNEY
VICE PRESIDENT-INTERNATIONAL

February 15, 1974

Lerma C. A.
A. Jose Angel Lemas
Centro Ind. Palo Grande, Local AA.2
San Martin, Caracas, Venezuela

Dear Sir:

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24779046

BFG34805

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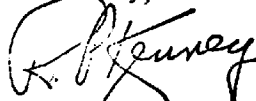
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R. P. Kenney
Vice President - International

RPK/vb

BFG34806

24779047