

MINNESOTA MINING & MFG. CO.

FIELD LETTER OF R. J. SEFFL - 236-2A

CITY Wilmington, Delaware

DATE 12/5/75

TO J. D. LAZERTE - 236-1

cc: L.S. Cove  
223-6SE  
L.J. Hals  
W. Caldwell  
L.C. Krogh  
223-6SE  
J.E. Long  
220-2E  
W.H. Petersen  
223-6SE  
W.F. Scown  
223-6SE

COMPANY: E. I. duPont

PERSONNEL: duPont  
Henry Moncure, Jr., Research Manager,  
Fluorocarbon Div.  
Peter Phinner, Research Supervisor, Fluorocarbon  
Homopolymers  
Henry Gilman, Toxicologist, Haskell Labs.  
Mike Kaplan, Toxicologist, Haskell Labs.  
Jim Terrill, Toxicologist, Haskell Labs.

3M

L. J. Hals  
L. S. Cove  
J. E. Long  
R. J. Seffl

DuPont is concerned about the possible toxic effects of FC-143 in the Teflon K used in Harshaw "Dustless Process" because of its possible use in, or in contact with, food products.

Henry Moncure emphasized that duPont is not advocating the use of Teflon K in food applications and actually recommends against such use. They do not plan to file for an FDA clearance for Teflon K. However, they do recognize that they can not control all applications and they would like to have defensive information available to support their position in the event that a problem does arise.

Henry Gibson reported on toxicity studies carried out with FC-143 and Teflon K (containing 0.25% FC-143) some 10-15 years ago.

Acute oral toxicity: FC-143--AID 670 mg/kg.  
Teflon K--"Innocuous"

Sub acute toxicity: 10 day study on rats fed a diet of 25% Teflon K (25-30 g/kg).

Observations: Enlarged livers, up to three times the weight of the control depending upon which (of several tested) fluoro surfactant was used. This appeared to be a function of the surface activity of the surfactant. Others were worse than FC-143. With FC-143 the liver to body weight ratio was 4.8 vs the control of 3.5. In all cases the enlargement effect was reversible but did require "much time". The other sub acute effect

THIS MARGIN TO BE USED FOR OFFICE NOTES, ETC.

Form FL-10

Exhibit  
1124

State of Minnesota v. 3M Co.,  
Court File No. 27-CV-10-28862

3MA10024380

1124.0001

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noted was the reduction in sleeping times of rats treated with pentathol thus indicating possible rapid de-toxification of the drug by the test group. Further details of this study will be discussed on a one-to-one basis between H. Gilman and J. Long.

DuPont claims that unsintered Teflon dispersion which does not contain FC-143 does not produce the above <sup>stated</sup> sub acute effects. Therefore they desire defensive information and want to know to what extent 3M will be willing to provide them with information on FC-143 relative to possible inhalation toxicity--sub acute, and data with which to establish an oral "no effect level".

It was agreed that Jim Long and Henry <sup>Gilman</sup> would get back together regarding the details of their tests to date. Subsequently Jim will determine what tests he deems advisable and make his recommendations to the Commercial Chemicals Division who in turn will communicate with duPont as to what our program, if any, will be.

  
RJS:df