bcc: J. J. Roder - JROBE
G. P. Pague - DETROIT
R. Garnsworthy - MELBOURNE

March 24, 1971

Mr. I. H. Rivers
Kellogg Company
Porter Street
Battlecreek, Mich. 49016

Dear Mr. Rivers:

The use of Therminol 66 in food process related heating systems would be far less controversial than the use of Therminol FR fluids or even paraeymene or Dowtherm A.

Therminol 66 has a very low order of toxicity as compared to the aforementioned fluids. The odor of Therminol 66 is negligible, an important factor in food processing where the products can absorb undesirable odors readily.

Therminol 66 can be used to 650°F without degradation thus providing more than adequate temperature for all food processing applications.

Physical property data and a toxicity statement on Therminol 66 are attached.

We discussed by phone on March 23 our reluctance to sell Therminol FR fluids (polychlorinated biphenyl chemistry-PCB) into food related applications. A letter dated June 8, 1970 expressing our reasons for this action is attached, as is a letter dated February 9, 1970 providing additional background on the subject of PCB.

The F.D.A. has issued a guideline for the maximum concentration of PCB in food -- upper limit on PCB content in milk is 0.2 ppm and in other foods it is 5.0 ppm.

Therminol 66 is available in Australia and Japan as Santotherm 66. The product can also be provided in South Africa and New Zealand.

Addresses of Monsanto affiliates follow. I strongly recommend Therminol 66 as a replacement fluid for Therminol FR, paraeymene and Dowtherm A in these applications as a low pressure,

liquid phase, low toxicity, and low odor heat transfer fluid.

Monsanto offices and affiliates

Australia - Monsanto Australia Ltd.

Sydney:
35 Terry St.
P.O. Box 4
Roselle, Sydney
NSW, Australia 2039
Phone 82-0255

Melbourne:
East Tower, Princes Gate
151 Flinders St.
Melbourne, Australia
Phone 63-2671

South Africa - Monsanto South Africa Ltd.

Johannesburg:
85 Rissik St.
P.O. Box 1536
Johannesburg, S. Africa
Phone 838-5952

Durban:
Gardiner St.
P.O. Box 3144
Durban
Phone 28-324

New Zealand - Collin & Company Ltd.

Wellington:
G.P.O. Box 794
Wellington, N.Z.
Phone 70-429

Auckland:
P.O. Box 3740
Auckland, N.Z.
Phone 22-749

Christchurch:
G.P.O. Box 2118
Christchurch, N.Z.
Phone 69-553

Japan - Mitsubishi Monsanto Chemical Co.

Tokyo:
Mitsubishi Monsanto Chemical Co.
Mitsubishi Main Bldg.
5-2, Marunouchi 2 Chome
Chiyoda-ku
Tokyo 100, Japan

If we can be of further assistance, please call Jim Roder or me in St. Louis.

Very truly yours,

D. E. Roush
Product Specialist
Heat Transfer Fluids

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Enclosures