bcc: H. R. Ford/C. L. Clay - ATLANTA
J. J. Roder - JRCRE

May 25, 1971

Dr. W. M. Quattlebaum
Cardinal Chemical Co.
2010 South Deltline Blvd.
Columbia, S. C. 29201

Dear Dr. Quattlebaum:

Thank you very much for your interest in Monsanto Therminol heat transfer fluids. For the heating of kettle reactors to 500°F I would recommend the use of either Therminol FR-1 or Therminol 55.

The Therminol FR-1 fluid is a fire-resistant heat transfer fluid whereas the Therminol 55 fluid is not. I have attached physical property data for both of these heat transfer fluids. Also attached is the toxicity statement for each fluid. Of specific importance, as related during our telephone conversation, neither of these fluids is considered carcinogenic. As a matter of fact, the Therminol fluids are considered quite innocuous as described in the attached toxicity statement.

The Eclipse Boiler Company heaters for Therminol fluids are considered to be extremely well designed and capable of providing long term trouble free service. Mr. Jim Bell, the Eclipse representative in Charlotte, N. C., is a particularly competent gentleman and has a number of well designed Therminol heating systems operating. I am sure you can share our confidence in Mr. Bell and the equipment he provides.

If we can be of any further service on the Therminol heat transfer fluids, please feel free to contact our Therminol specialist in your area who is Mr. Carl L. Clay located in Atlanta, Ga. at 320 Interstate N. Parkway, Suite 500, (404) 432-7111 or me in St. Louis.

Very truly yours,

D. E. Roush
Engineering Specialist
Heat Transfer Fluids

Enclosures

MONS 089738

Blind Note: Cardinal Chemical installing 2 million BTU per hour Eclipse heater tp heat kettles at 500°F. I encouraged use of T-55 unless fire resistance is important - then FR-1. Quattlebaum's phone number is (803) 779-4174.