Stan Shaw
Functional Fluid Sales
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, Missouri
WY 3-1000 (Ext. 3369)

Monsanto
COMPANY

St. Louis, Missouri

Addenda to THERMINOL Manual

	Pour Points Degrees F.	Thermal Expansion Coefficients Degrees F.	Flash Points Degrees F.	Distillation Ranges ASTM D-20 (Mod.) Degrees F.
	(NOTE* Underwriter Laboratories states that Flash Points are NOT a significant factor relating to fluids which DO NOT SUPPORT COMBUSTION.)			
FR1	2	.8038	360	617-680
FR2	17	.8039	379	644-707
FR3	50	.8037	none	689-734

Corrosion Data

1) Copper and most of its alloys, IN ANY APPLICATION, undergoes a metallurgical loss of strength at high temperatures (450 degrees F.+). Aluminum behaves similarly.

2) When used as trim (valve seats, gasketing), copper and its alloys can be used at somewhat higher temperatures.

3) Copper, when alloyed with high quantities of nickel (70-30, Cu-Ni), can be used at relatively high temperatures (500-550 degrees F.) in heat exchange apparatus.

4) Our experience has indicated no difficulties with copper containing systems.
(One copper heater tube has operated at 550 degrees F. for two years with no trouble.)

Batch Reclaiming (6-8¢/lb. generally)

Findette Service Inc.
R.R. #1 P. O. Box 136
St. Charles, Missouri
Milton Tegethoff
Randolph 3-0240

Side Stream Distillation (to 630°F.)

Artisan Industries, Inc.
73 Pond Street
Waltham, Massachusetts
Craig Angell

0269679

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Stainless Steel Vessels

Industrial Process Engineers, Inc.
Newark, New Jersey

0269680

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