MONSANTO

FROM (LOCATION) Organic Research Department
Research Center - W-Bldg.

DATE January 25, 1967

SUBJECT Tentative Process
Therminol FR-O Lo Temp.
(Formerly MCS 523)

REFERENCE

TO R. G. Moody

Anniston

cc: CWILLiams
GSIDO
WAULT
SSHAW
MCMEWen
WRichard 2nd, Res.
Safety Review Committee

Circ. to:
~~C. W. Roost~~
~~H. L. Hubbard~~
~~J. Quinn~~

It is the intention of the Organic Marketing Department to start selling Therminol FR-O Lo Temp. as a new fire resistant -20°F. to 400°F. heat transfer fluid. This material differs from Therminol FR-O, which you now manufacture, only in concentrations of components; therefore, this memo will serve as a Tentative Process for FR-O Lo Temp.

Therminol FR-O Lo Temp is a blend of:

50% by weight Aroclor 1242
50% by weight tri-tetrachlorobenzene blend.

The same raw materials that go into Therminol FR-O (which is 20% tri-tetra and 80% 1242) are used in the blend. No special precautions are necessary for the blending. The tri-tetra blend used as a raw material has a last crystal point of about 30°F., so if this material has been stored in temperatures below 40°F., heating to about 70°F. is advised before the material is removed from shipping containers. The toxicity of tri-tetrachlorobenzene and Aroclor 1242 are well known and normal precautions should be observed in handling these materials.

Attached are the tentative specifications for Therminol FR-O Lo Temp. These specifications come from a minimum amount of lab data and should be reviewed after the first few plant batches are made.

C. P. Duncker

cp

Safety Review:
OK - CWL 2-2-67
JDQ 2/6/67
[illegible] 2/7/67

MONS 096442

REV. 9-64