

Monsanto

MAR 3 1967

FROM (NAME & LOCATION) Dolores Sisson - Organic Research Library - St. LOuis

DATE : March 2, 1967

CC:

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SUBJECT : Toxicity and Hazards

REFERENCE

TO : Mr. E. Wheeler
General Offices

Attached is section on Toxicity and Hazards for Tentative Process P-1441, entitled "Therminol FR-Lo Temp (Formerly MCS 523)", written by C.P. Duncker, dated February 13, 1967, Job No. 6610.

Dolores Sisson

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att.

DSW 552841

been stored outdoors in temperatures below 40°F, heating to 70°-100°F is advised before removing from shipping containers.

MATERIAL SPECIFICATIONS

A. Raw Materials

1. Aroclor 1242 - Material Code No. 81101 or 82612.
2. Tri-tetrachlorobenzene Blend - Hooker - Material Code KRUM - 58500.

B. Finished Product

Following are Tentative Specifications. These are based on a minimum amount of laboratory data, and should be reviewed after several plant batches are made.

TENTATIVE SPECIFICATIONS Therminol FR-Lo Temp

Appearance	clear, colorless liquid
Density (lbs./cu.ft./25°C.)	89.2 - 90.5
Acid No. (Mg.KOH/g.)	0.05 max.
Moisture - ppm.	75 max.
* Viscosity at 70°F.-centipse.	8.0 - 9.0
Fire Point, °F.	None to boiling
Specific heat, Btu/lb.°F.	0.26 min. at 100°F.
Thermal conductivity Btu/hr.cu.ft., °F./ft.	.062 min. at 100°F.
* Viscosity at 100°F. centp.	5.1 max.
* at 210°F. centp.	-

* Report viscosity in centipoise and SUS.

TOXICITY AND HAZARDS

Aroclor and tri-tetrachlorobenzene are irritating to the eyes and nasal passages and slightly irritating to the skin. Normal precautions should be taken.

STREAM AND ATMOSPHERIC POLLUTION

No waste is involved in the process.

DSW 552842