SCH-194 A-1M 3-36

STANDARD SPECIFICATION
OF
MONSANTO CHEMICAL COMPANY

Product: Chlorinated Diphenyl: HB Mix Code No. 514-0-01-44

Grade: Aroclor 4465 Date Authorized 5/11/36

C - Control Test

H - History Test

Supersedes Specification Dated Tent. 12/23/32

		Tolerable Limits	Typical Value
H	Sp. Gr. at 25/25°C, D70-27	-	1.712 - 1.723
*C	Lovibond color, 1", yellow 510	5.0 - 14.0	7.0 -11.0
C	Softening point, Barrett, °C	71 - 76	71 - 76
H	Softening point, °C, D56-26	-	60 - 66
H	% Loss at 163°C, D6-27	-	.25 - .29
C	Refractive index	-	-
C	Acid number, mgm NaOH/gm	0 - .035	.006 - .03
C	Crystallization test (see below)	None	-

Aroclor 4465 is the product obtained from distillation of Aroclor 4065 which is a mixture of 40% distilled High Boiler and 60% Diphenyl chlorinated at 64.2 to 64.8% chlorine with Barrett softening point of 78 to 80°C (comparison standard valued at 78°)

Aroclor 4465 is designated as "Coal Tar Resin, Clear" in correspondence and on shipments to H. H. Robertson Co.

Crystallization Test: Transfer 30-40 grams of sample to a 150 cc beaker, heat to 100°C, add a minute trace of powdered Aroclor 1268 as seed crystals and maintain at 100-105°C for 24 hours. At end of this time it should be noted whether the seed crystals have grown or have disappeared.

* Changed from previous specification.

DSW 312232

Approved by A B Gerber 5/11/36
Chief Chemist

Approved by Robert S Weatherly
Sales Manager

Approved by C L Culley
Works Manager

Authorized by W W Cobb 5/28/36
Chemical Director

STLCOPCB4072218