F. 281

Monsanto Chemical Company

ORGANIC CHEMICALS DIVISION

SPECIFICATIONS FOR PRODUCTS

Product No. 246 **Sales Code No.** 1040-240-75-03 **Date** 8-22-41

Name AROCLOR 1242 (DISTILLED)

Chemical Formula Mixture **Mol. Wt.** —

Supersedes Specifications of 5-1-36 **Approved** SC JLH WGK LAW

PROPERTY	SPECIFICATION	METHOD NUMBER
Appearance and Color	Clear oily liquid 0.5 NPA Max.	10,084 - 40
Specific Gravity at 65°/15.5°C.	1.338 - 1.348 1/	10,114 - 40
Acid Number (mg. NaOH/gm.)	0.01 Max.	10,087 - 40
Viscosity at 54.4°C. (130°F.)	50 - 53 secs. Saybolt	10,~~088~~ 086 - 40

SAMPLES FOR ANALYSIS - 2 x ½ gal. FRICTION TOP TIN CANS

NOTE: Typical Analysis

Pour Point (ASTM)	Minus 20°C.	
Distilling Range:	1st Drop 322°C. 10 ml. 327°C. 50 ml. 332°C. 90 ml. 340°C. Dry Point 365°C.	
Flash Point	176 - 180°C.	(Cleveland Open Cup)
Fire Point	335 - 350°C.	(Cleveland Open Cup)
Loss on Heating at 163°C.	2.9 - 3.6%	
Chlorine	42.0 ± 0.5%	
Power Factor (at 100°C. & 1000 cycles)	0.6 - 3.0	
Dielectric Constant (at 100°C. & 1000 cycles)	4.9	
Resistivity (at 100°C.)	200 x 10^9	
Refractive Index (20°C.)	1.627 - 1.629	

1/ Changes minus 0.0009 per °C. (50 - 105°C.)

DSW 330938

9-24-41

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