General Physical Properties of the Aroclor® Chlorinated Compounds

...rm	Aroclor 1221 Colorless mobile oil	Aroclor 1232 Practically colorless mobile oil	Aroclor 1242 Practically colorless mobile oil	Aroclor 1248 Colorless to light yellow-green, clear, mobile oil	Aroclor 1254 Light yellow viscous oil
...olor	50 Max. (APHA)	50 Max. (APHA)	50 Max. (APHA)	50 Max. (APHA)	50 Max. (APHA)
...cidity — Maximum (Mgm. KOH per Gm.)	0.014	0.014	0.010	0.010	0.010
...verage Coefficient of Expansion... cc/cc/°C	0.00071 (15°-40°C)	0.00073 (25°-100°C)	0.00068 (25°-65°C)	0.00070 (25°-65°C)	0.00066 (25°-65°C)
...ypical Density Specific Gravity Pounds per gallon — 25°C(77°F)	1.182-1.192 (25°/15.5°C) 9.85	1.270-1.280 (25°/15.5°C) 10.55	1.381-1.392 (25°/15.5°C) 11.50	1.405-1.415 (65°/15.5°C) 12.04	1.495-1.505 (65°/15.5°C) 12.82
...istillation Range — ASTM D-20 (Mod.) ...°C	275°-320°	290°-325°	325°-360°	340°-375°	365°-390°
...vaporation Loss — % — ASTM D-6 Mod. 163°C ... 5 hrs. 100°C ... 6 hrs.	— 1.0 to 1.5	— 1.0 to 1.5	3.0 to 3.6 0.0 to 0.4	3.0 to 4.0 0.0 to 0.3	1.1 to 1.3 0.0 to 0.2
...lash Point — Cleveland Open Cup ... °C °F	141°-150° 286°-302°	152°-154° 305°-310°	176°-180° 348°-358°	193°-196° 379°-384°	None
...ire Point — Cleveland Open Cup ... °C °F	176° 349°	238° 460°	None*	None	None
...our Point — ASTM D-97 ... °C °F	Crystals at 1°C Crystals at 34°F	−35.5° −32°	−19° 2°	−7° 19.4°	10° 50°
...oftening Point — ASTM E-28 ... °C °F	— —	— —	— —	— —	— —
...efractive Index — D-line — 20°C	1.617-1.618	1.620-1.622	1.627-1.629	1.630-1.631	1.639-1.641
...rcosity — Saybolt Universal Sec. (ASTM — D-88) 210°F (93.9°C) 130°F (54.4°C) 100°F (37.8°C)	30-31 35-37 38-41	31-32 39-41 44-51	34-35 49-56 82-92	36-37 73-80 125-240	44-48 260-340 1800-2600
...mg/kg ...al LD_{50}-rats (approx.) ...in MLD-rabbits-mg/kg ~~administered~~	3980* >2000* ~~<3160*~~	4470* >1260* ~~<2000*~~	8650* >794* ~~<1260*~~	11,000* >794* ~~<1260*~~	11,000* >1260* ~~<2000*~~

...ndiluted ** administered as 50% soln. in corn oil # 33/3% in corn oil

MONS 080625

Aroclor 1260 Light yellow soft sticky resin	Aroclor 1262 Light yellow sticky clear resin	Aroclor 1268 White to off-white powder	Aroclor 4465 Light-yellow, clear, brittle resin	Aroclor 5442 Yellow transparent sticky resin	Aroclor 5450 Clear, yellow-to-amber, brittle resin	Aroclor 2565 Black, opaque, brittle resin
50 max. (APHA)	50 Max. (APHA)	1.5 Max. NPA (molten)	2 Max. NPA (molten)	2 Max. NPA (molten)	2 Max. NPA (molten)	—
0.014	0.014	0.05	0.05	0.05	0.05	1.4
0.00067 (20°-100°C)	0.00061 (25°-65°C)	0.00067 (20°-100°C)	0.00061 (25°-65°C)	0.03123 (25°-99°C)	0.00179 (25°-124°C)	0.00035 (25°-65°C)
1.556-1.565 (90° 15.5°C) 13.50	1.572-1.583 (90° 15.5°C) 13.72	1.804-1.811 (25°/25°C) 15.09	1.670 (25°/25°C) 13.91	1.470 (25°/25°C) 12.24	1.670 (25°/25°C) 13.91	1.734 (25°/25°C) 14.44
385°-420°	395°-425°	435°-450°	230°-320° at 4 mm. Hg.	215°-300° at 4 mm. Hg.	220°-335° at 5 mm. Hg.	—
0.5 to 0.8 0.0 to 0.1	0.5 to 0.6 0.0 to 0.1	0.1 to 0.2 0.0 to 0.05	0.2 to 0.3 0.0 to 0.02	0.2 0.01	0.03 1.5 to 1.7 (at 260°-5 hrs.)	0.2 to 0.3 —
None	None	None	None	247° 477°	None	None
None	None	None	None	> 350° > 662°	None	None
31°	35°-38°	—	—	46°	—	—
82°	99°	—	—	115°	—	—
—	—	150° to 170° (hold pt.)	60° to 66°	46° to 52°	98° to 105.5°	66° to 72°
—	—	302° to 338° (hold pt.)	140° to 151°	115° to 126°	208° to 222°	149° to 162°
1.647-1.649	1.6501-1.6517	—	1.654-1.657	—	1.660-1.665	—
72-78	85-100	—	90-150 (266°F or 130°C)	300-400	—	—
3300-4500	600-850 (160°F or 71°C)	—	—	—	—	—
—	—	—	—	—	—	—
[illegible]** [illegible]	11,300** > [illegible] < [illegible]	10,900** > [illegible]	16,000** > [illegible] < [illegible]	10,600** > [illegible] < [illegible]	19,200# > 7940#	6,3[illegible] > 2[illegible] < 3[illegible]

[illegible] soln. in corn oil [illegible] 10% soln. in corn oil

MONS 080626