...ical Physical Properties of the ...rochlor® Chlorinated Diphenyls

...rm	Arochlor 1221 Colorless mobile oil	Arochlor 1232 Practically colorless mobile oil	Arochlor 1242 Practically colorless mobile oil	Arochlor 1248 Colorless to light yellow-green, clear, mobile oil	Arochlor 1254 Light yellow viscous oil	Aro... Lig... soft resin
...lor	50 Max. (APHA)	50 Max. (APHA)	50 Max. (APHA)	50 Max. (APHA)	50 Max. (APHA)	50 m... (APH...
...dity — Maximum (Mgm. KOH per Gm.)	0.014	0.014	0.010	0.010	0.010	0.01...
...erage 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)	0.00... (20°...
...ical 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	1.385-1.395 (65°/15.5°C) 12.12...	1.52... (99°... 13.5...
...tillation Range — ASTM D-20 (Mod.) ...Corr. °C	275°-320°	290°-325°	325°-366°	340°-375°	365°-390°	385°...
...poration Loss — 5% — ASTM D-6 Mod. ...99°C ... 5 hrs. ...00°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	0.5 t... 0.0 t...
...sh Point — Cleveland Open Cup ... °C °F	141°-150° 285°-302°	152°-154° 305°-310°	176°-180° 348°-356°	193°-196° 379°-384°	None	Non...
...Point — Cleveland Open Cup ... °C °F	176° 349°	238° 460°	None*	None	None	None
...Point — ASTM D-97 ... °C	Crystals at 1°C	−35.5°	−19°	−7°	10°	31°
°F	Crystals at 34°F	−32°	2°	19.4°	50°	88°
...ening Point — ASTM E-28 ... °C	—	—	—	—	—	—
°F	—	—	—	—	—	—
...active 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	1.64...
...osity — Saybolt Universal 210°F (98.9°C) ...s. (ASTM — D-88)	30-31	31-32	34-35	36-37	44-48	72-7...
130°F (54.4°C)	35-37	39-41	49-56	73-80	200-310	320...
100°F (37.8°C)	38-41	44-51	62-92	135-240	1850-2400	—
...LD50 — rats (approx.) mg/kg	3980*	4470*	8650*	11,000*	11,900*	10,00...
...LD50 — rabbits — mg/kg	>2000*	>1260*	>794*	>794*	>1260*	>1260...
...Inhalation	<2000*	<2000*	<2000*	<794*	<1260*	<1200...

Mineral ** administered as 50% soln. in corn oil # 35/35 in corn oil # 20%

080608 MONS

Aroclor 1260 Light yellow, soft sticky resin	Aroclor 1262 Light yellow sticky clear resin	Aroclor 1016 White to [illegible] powder	Aroclor 1254 Light-yellow, clear [illegible] resin	Aroclor 5432 Yellow transparent sticky resin	Aroclor 5460 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)	0.00064 (25°-65°C)	0.00367 (20°-100°C)	0.00061 (25°-65°C)	0.00123 (25°-99°C)	0.00179 (25°-124°C)	0.00058 (25°-65°C)
1.556-1.565 (90°/15.5°C) 13.50	1.572-1.583 (90°/15.5°C) 13.72	1.824-1.911 (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.	280°-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°—8 hrs.)	0.2 to 0.3 —
None	None	None	None	257° 477°	None	None
None	None	None	None	> 350° > 662°	None	None
31°	35°-38°	—	—	46°	—	—
88°	99°	—	—	115°	—	—
—	—	150° to 170° (hold pt.)	60° to 65°	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	—	1.664-1.667	—	1.660-1.665	—
77-78	86-100	—	90-150 (266° F or 130°C)	300-400	—	—
3200-6500	600-850 (100°) or 71°C)	—	—	—	—	—
—	—	—	—	—	—	—

10,000** 11,300** 10,000** 16,000** 10,600** 19,200# 6,310#
>1260** >1260** >2510## >2000** >1260** ≥ 7940# >2000
<3160** <3160** <3160** <3160** <3160** <3160

* 20% soln. in corn oil ## 10% soln. in corn oil

MONS 080609