FURANS

New Products	Chlorodibenzofuran Found (PPM) Dichloro	Trichloro	Tetrachloro	Pentachloro
Prodelec Phenoclor DP6				
Vos et al	-	-	Tr	<20
Applied Sciences	-	-	Tr	15-30
Bayer Clophen A60				
Lot 912434				
Vos et al	-	-	Tr	<5
Applied Sciences	-	-	Tr	Tr
Monsanto Aroclor 1260				
Lot AK-3				
Vos et al	-	-	-	-
Applied Sciences	-	-	-	-
Monsanto Aroclor 1242				
Lot AK-255	-	-	-	-
Monsanto Aroclor 1254*				
Lot AK-38 (Triplicate)	-	-	-	-
Monsanto Aroclor 1016				
Drum B	-	-	-	-
Lot KA-708	-	-	-	-
Kaneclor KC-300				
Shizuki, July 1970	-	-	-	-

- = Not detected, less than 0.5 ppm

Tr = Trace, 0.5-2 ppm

* = Curley et al report finding 0.8 ppm of a compound having 4 chlorine atoms/molecule with the same molecular weight as tetrachlorodibenzofuran.

We spiked Aroclor 1254 with 2,4, and 1 ppm of di, tri, and tetrachlorodibenzofuran. We recovered 0, 32, and 118%, respectively. The procedure appears to be optimized for the tetrachloro isomer. Hence, the values reported above for other isomers should be taken as minimum values due to possible sample loss during isolation.

Rabbit ear test to confirm { might want to look at chlorinated methyl biphenyls

Lever 205-410

		#300	2156	6.9 ppm
MW	236	#305	1993 counts	
"	270	#339	10618 "	40 "
"	304	#365	8411 "	42 "
"	338	#401	239 "	1-2 "

Goodyear 411-730 < 0.5 ppm

Dibenzofuran Reference Mixture 888-1003 [illegible]

"	202	#933	500 "
"	236	#953	6582 "
"	270	#973	9663 "
"	304	#992	1594 "

A-1254

A-1254 +

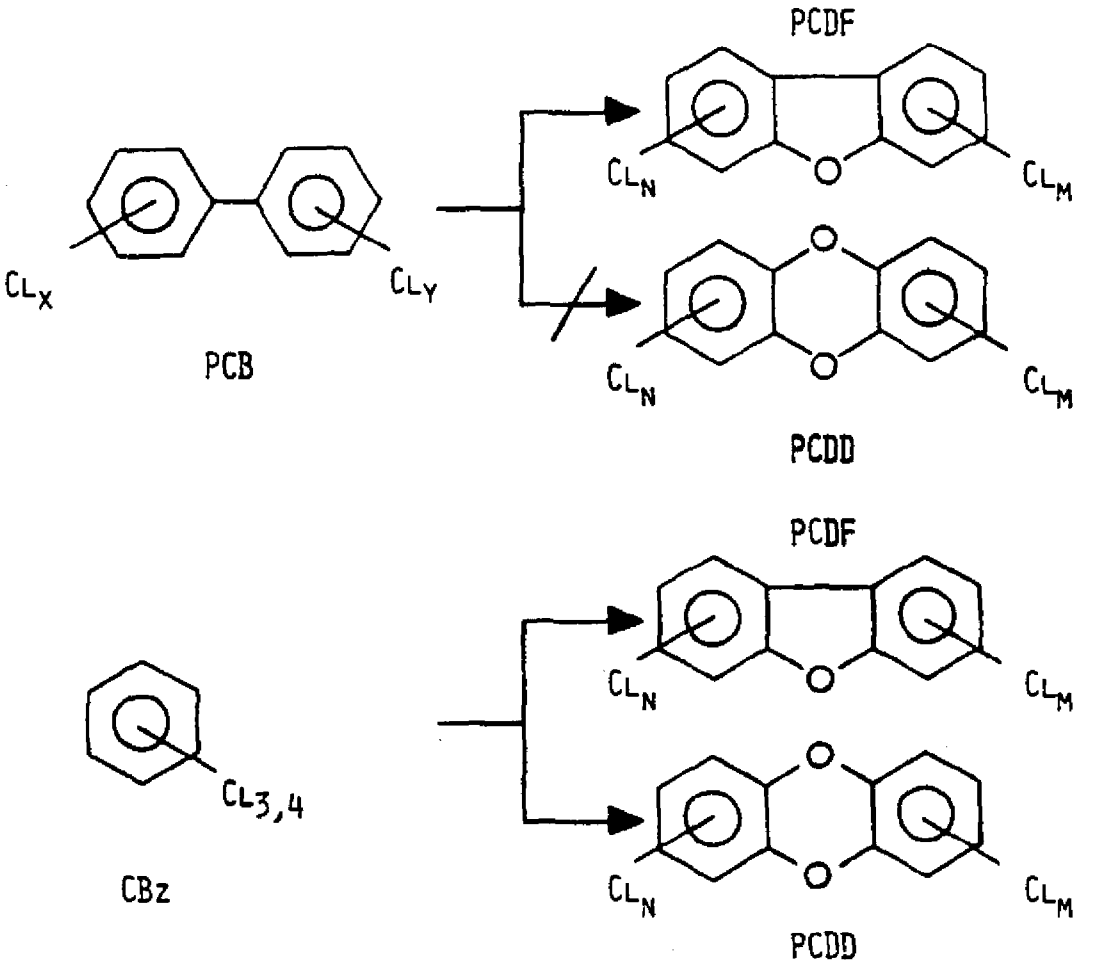
270	#477	305	32%
304	#504	181	114%

KC-400 1002 - [illegible]65

236	[illegible]3	319	1 ppm
270	[illegible]2	1806	6.5 "
304	[illegible]19	2760	14 ppm

MONS 213618

PRODUCTS FORMED



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