Monsanto INDUSTRIAL CHEMICALS CO.

E. S. Tucker - T2F

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DOW/MONOCHLOROBIPHENYL (MCB)

W. B. Papageorge - B2NA
C. Paton - B2SC
E. P. Wheeler - A2SA
G. M. Gasser - T3E
J. P. Mieure - T2B
R. E. Keller - T1B

TO W. R. Richard
T3A

MCB Analysis (re-run); G. Gasser

	MCS 1546	MCS 1547	OR 207175
ϕ_2	0.55%	0.19%	0.45%
o-$Cl\phi_2$	85.9%	92.5%	78.3%
m-$Cl\phi_2$	3.36%	1.83%	4.55%
p-$Cl\phi_2$	9.72%	5.09%	15.58%
2,2'-$Cl_2\phi_2$	0.35%	0.15%	0.89%
2,4'	ND	ND	ND
4,4'	ND	ND	ND
Unknown	ND	ND	ND

GC/Mass Analysis PPP; J. Mieure

Component Found	Estimate Concentration
m-phenylphenol	1.6%
Unknown #1	~ 10 ppm*
Unknown #2	~ 10 ppm*
Unknown #3	~ 50 ppm*

*Could not be identified via GC/Mass without prior separation from major component.

EC/GC Analysis

	PPM Found OPP (I)	OPP (H)	PPP (A)
2-$Cl\phi_2$	0.05(0.31)	0.19(0.26)	0.04(0.26)
3&4-$Cl\phi_2$	0.51(0.58)	1.01(0.90)	0.08(<0.10)
2,4'-$Cl_2\phi_2$	0.07(0.12)	0.04(0.05)	ND (<0.05)
4,4'-$Cl_2\phi_2$	ND (<0.05)	ND (<0.05)	ND (<0.05)
2,2'-$Cl_2\phi_2$	ND (<0.05)	ND (<0.05)	ND (<0.05)
2,2',4,4'-$Cl_4\phi_2$	ND (<0.05)	ND (<0.05)	- (-)

( ) Dow values
ND None Detected <0.05