

Study Number: R10997
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I08: Mean Test Compound Consumption
Test Compound: Diisobutyl Phthalate
CAS Number: 84-69-5

Date Report Requested: 01/16/2020
Time Report Requested: 15:25:35
Lab: RTI

C Number: R10997
Study Gender: Both
PWG Approval Date See web page for date of PWG Approval

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F0 Males

Treatment Groups (ppm)

Phase	Litter ID	Days	0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Study		0 - 7	0.0 ± 0.0	23	57.8 ± 1.8	23	337.4 ± 14.3	23	662.9 ± 33.7	23
		7 - 14	0.0 ± 0.0	23	57.5 ± 1.2	23	282.9 ± 7.0	23	592.8 ± 24.8	23
		0 - 14	0.0 ± 0.0	23	57.7 ± 1.1	23	309.7 ± 7.7	23	626.7 ± 18.5	23
		35 - 42	0.0 ± 0.0	21	56.6 ± 1.3	20	277.8 ± 10.1	21	546.6 ± 10.8	18
		42 - 49	0.0 ± 0.0	23	57.1 ± 1.7	23	279.9 ± 7.0	22	549.7 ± 16.3	23
		49 - 56	0.0 ± 0.0	15	51.9 ± 0.7	17	265.7 ± 5.9	19	521.7 ± 10.9	16
		77 - 84	0.0 ± 0.0	23	53.1 ± 1.3	23	272.8 ± 5.7	23	511.0 ± 8.4	23
		84 - 91	0.0 ± 0.0	22	51.9 ± 1.6	18	268.3 ± 6.3	21	509.5 ± 9.3	23
		91 - 98	0.0 ± 0.0	15	51.7 ± 1.3	14	259.3 ± 5.8	18	501.3 ± 10.0	20
		119 - 126	0.0 ± 0.0	18	52.0 ± 1.5	20	250.1 ± 4.6	21	484.2 ± 10.7	20
	126 - 133	0.0 ± 0.0	13	49.6 ± 1.1	16	234.2 ± 8.1	16	489.6 ± 13.8	14	

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F0 Females

Treatment Groups (ppm)

Phase	Litter ID	Days	0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Study		0 - 7	0.0 ± 0.0	23	64.1 ± 0.9	23	372.5 ± 19.8	23	761.5 ± 37.7	23
		7 - 14	0.0 ± 0.0	23	64.1 ± 1.0	23	323.0 ± 11.8	23	652.5 ± 16.7	23
		0 - 14	0.0 ± 0.0	23	64.0 ± 0.8	23	347.3 ± 14.0	23	705.7 ± 23.2	23
Gestation	A	0 - 3	0.0 ± 0.0	20	71.6 ± 1.4	21	359.9 ± 7.7	19	677.9 ± 23.7	22
		3 - 6	0.0 ± 0.0	21	69.8 ± 1.1	21	352.6 ± 5.1	19	689.3 ± 20.5	22
		6 - 9	0.0 ± 0.0	20	69.6 ± 1.4	21	347.3 ± 6.0	19	700.0 ± 34.6	22
		9 - 12	0.0 ± 0.0	21	68.8 ± 1.4	21	336.4 ± 7.6	19	672.9 ± 30.1	22
		12 - 15	0.0 ± 0.0	21	64.0 ± 1.4	21	324.2 ± 6.5	18	661.2 ± 14.4	22
		15 - 18	0.0 ± 0.0	20	67.8 ± 1.1	21	353.9 ± 6.3	19	693.7 ± 8.2	22
		18 - 21	0.0 ± 0.0	20	65.4 ± 0.9	21	349.4 ± 6.6	18	750.4 ± 40.5	22
		0 - 21	0.0 ± 0.0	21	67.2 ± 1.0	21	342.6 ± 4.2	19	687.7 ± 17.4	22
Lactation	A	1 - 4	0.0 ± 0.0	20	111.7 ± 4.2	23	577.3 ± 23.3	21	1136.7 ± 33.3	22
Gestation	B	0 - 3	0.0 ± 0.0	18	64.5 ± 1.4	21	326.8 ± 6.5	18	639.7 ± 21.0	22
		3 - 6	0.0 ± 0.0	18	65.9 ± 1.3	21	345.9 ± 7.4	19	695.8 ± 61.0	22
		6 - 9	0.0 ± 0.0	18	64.1 ± 1.3	21	328.8 ± 6.5	19	644.2 ± 16.8	22
		9 - 12	0.0 ± 0.0	18	63.2 ± 1.4	21	329.0 ± 5.1	19	637.9 ± 11.2	22
		12 - 15	0.0 ± 0.0	18	63.5 ± 1.8	21	321.8 ± 7.0	19	629.1 ± 19.0	22
		15 - 18	0.0 ± 0.0	18	62.6 ± 1.0	19	334.5 ± 6.3	19	660.8 ± 7.0	22
		18 - 21	0.0 ± 0.0	18	65.1 ± 1.5	20	328.8 ± 6.4	19	688.6 ± 12.3	22
		0 - 21	0.0 ± 0.0	18	63.3 ± 1.1	21	327.6 ± 4.8	19	651.0 ± 14.5	22
Lactation	B	1 - 4	0.0 ± 0.0	18	110.8 ± 6.1	21	539.9 ± 18.9	20	1021.0 ± 35.2	22
Gestation	C	0 - 3	0.0 ± 0.0	21	55.9 ± 1.8	20	293.4 ± 6.4	20	565.9 ± 12.7	20
		3 - 6	0.0 ± 0.0	21	58.7 ± 1.1	20	300.4 ± 4.5	20	566.8 ± 12.6	20
		6 - 9	0.0 ± 0.0	21	60.5 ± 1.7	20	304.2 ± 6.4	19	598.0 ± 13.0	20
		9 - 12	0.0 ± 0.0	21	57.8 ± 1.1	20	303.7 ± 5.5	19	582.2 ± 11.1	20
		12 - 15	0.0 ± 0.0	20	59.5 ± 1.4	20	314.1 ± 5.8	19	602.3 ± 13.9	20
		15 - 18	0.0 ± 0.0	20	58.8 ± 1.1	20	321.5 ± 7.6	19	627.8 ± 13.3	20
		18 - 21	0.0 ± 0.0	21	60.3 ± 1.2	20	323.8 ± 7.9	19	666.0 ± 14.2	20
		0 - 21	0.0 ± 0.0	21	58.4 ± 1.1	20	307.0 ± 4.9	19	599.3 ± 11.0	20

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F0 Females

Treatment Groups (ppm)

Phase	Litter ID	Days	0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Lactation	C	1 - 4	0.0 ± 0.0	19	90.8 ± 5.6	20	502.0 ± 24.6	17	990.6 ± 56.1	20
		4 - 7	0.0 ± 0.0	19	103.6 ± 5.5	18	612.8 ± 41.4	15	1057.6 ± 76.6	17
		7 - 10	0.0 ± 0.0	21	122.6 ± 7.5	22	702.9 ± 26.9	20	1237.7 ± 96.8	21
		10 - 13	0.0 ± 0.0	21	136.3 ± 8.9	21	789.1 ± 26.2	20	1361.8 ± 109.2	21
		1 - 13	0.0 ± 0.0	21	114.6 ± 6.1	22	668.9 ± 26.1	20	1196.6 ± 80.3	21

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F1 Males: All F1 Males

Treatment Groups (ppm)

Phase	Litter ID	Days	0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal		21 - 28	0.0 ± 0.0	48	149.6 ± 1.5	38	781.8 ± 8.1	44	1709.3 ± 107.0	41
		28 - 35	0.0 ± 0.0	48	134.8 ± 2.0	38	704.0 ± 7.8	44	1487.3 ± 21.0	41
		21 - 35	0.0 ± 0.0	48	138.7 ± 1.7	38	725.8 ± 7.1	44	1550.5 ± 46.5	41
		35 - 42	0.0 ± 0.0	46	119.5 ± 1.7	35	672.1 ± 28.5	44	1305.4 ± 24.6	41
		42 - 49	0.0 ± 0.0	48	99.9 ± 1.0	37	519.5 ± 7.7	43	1231.4 ± 59.1	40
		49 - 56	0.0 ± 0.0	48	89.3 ± 2.1	38	473.3 ± 6.6	43	933.0 ± 8.3	41
		56 - 63	0.0 ± 0.0	46	79.5 ± 0.9	37	417.1 ± 5.5	44	885.5 ± 18.1	41
		63 - 70	0.0 ± 0.0	48	72.7 ± 1.5	37	376.7 ± 4.9	44	797.3 ± 14.4	41
		70 - 77	0.0 ± 0.0	47	67.8 ± 1.1	37	343.8 ± 4.3	44	717.3 ± 12.3	41
		77 - 84	0.0 ± 0.0	47	63.9 ± 1.2	38	322.8 ± 5.4	42	682.5 ± 12.9	41
	21 - 84	0.0 ± 0.0	47	85.8 ± 0.6	38	448.2 ± 6.1	42	943.4 ± 13.3	41	

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F1 Females: All F1 Females

Treatment Groups (ppm)

Phase	Litter ID	Days	0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal		21 - 28	0.0 ± 0.0	36	161.0 ± 1.3	43	839.1 ± 13.7	49	1681.4 ± 22.1	38
		28 - 35	0.0 ± 0.0	37	148.1 ± 1.8	42	756.1 ± 11.4	49	1597.9 ± 23.6	38
		21 - 35	0.0 ± 0.0	37	151.1 ± 1.6	43	782.3 ± 11.4	49	1615.5 ± 19.9	38
		35 - 42	0.0 ± 0.0	36	129.0 ± 1.6	40	647.6 ± 9.8	48	1364.8 ± 22.8	38
		42 - 49	0.0 ± 0.0	35	111.5 ± 2.1	40	549.8 ± 14.9	47	1159.3 ± 22.1	38
		49 - 56	0.0 ± 0.0	37	101.9 ± 3.5	40	507.1 ± 7.9	47	1017.5 ± 18.6	38
		56 - 63	0.0 ± 0.0	37	85.9 ± 1.1	40	440.9 ± 5.8	48	911.8 ± 14.8	37
		63 - 70	0.0 ± 0.0	36	81.5 ± 1.2	40	418.8 ± 6.0	45	860.2 ± 13.1	38
		70 - 77	0.0 ± 0.0	36	76.9 ± 1.4	39	387.3 ± 6.1	48	787.5 ± 12.1	38
		77 - 84	0.0 ± 0.0	37	71.7 ± 1.0	40	366.6 ± 4.4	47	753.8 ± 11.3	37
	21 - 84	0.0 ± 0.0	37	98.0 ± 1.2	40	497.7 ± 4.7	47	1024.5 ± 11.8	38	

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F1 Males: F1c Parental Males

Treatment Groups (ppm)

Phase	Litter ID	Days	0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	119 - 126		0.0 ± 0.0	40 (21)	56.4 ± 0.8	40 (20)	296.0 ± 3.8	40 (19)	593.6 ± 15.3	40 (18)
	126 - 133		0.0 ± 0.0	40 (21)	55.9 ± 0.9	40 (20)	288.7 ± 4.7	39 (19)	584.1 ± 9.6	40 (18)
	133 - 140		0.0 ± 0.0	39 (20)	54.6 ± 0.7	37 (19)	282.0 ± 4.4	31 (17)	574.3 ± 9.0	40 (18)
	161 - 168		0.0 ± 0.0	40 (21)	54.5 ± 0.9	40 (20)	281.1 ± 4.9	37 (19)	568.9 ± 7.9	40 (18)
	168 - 175		0.0 ± 0.0	40 (21)	54.4 ± 0.9	40 (20)	280.6 ± 5.1	37 (19)	561.7 ± 8.5	40 (18)
	175 - 182		0.0 ± 0.0	39 (20)	54.0 ± 1.0	38 (19)	270.1 ± 4.3	36 (18)	551.7 ± 10.0	40 (18)
	203 - 210		0.0 ± 0.0	40 (21)	52.4 ± 1.0	40 (20)	269.7 ± 4.5	37 (19)	553.5 ± 9.3	40 (18)
	210 - 217		0.0 ± 0.0	39 (20)	51.7 ± 0.9	40 (20)	264.4 ± 4.7	36 (18)	547.9 ± 9.3	40 (18)

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F1 Females: F1c Parental Females

Phase	Litter ID	Days	Treatment Groups (ppm)							
			0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Gestation	A	0 - 3	0.0 ± 0.0	30 (18)	71.9 ± 1.8	30 (15)	363.3 ± 13.9	30 (18)	773.2 ± 25.9	27 (16)
		3 - 6	0.0 ± 0.0	31 (18)	70.0 ± 1.2	30 (15)	345.5 ± 9.0	29 (18)	724.3 ± 10.7	27 (16)
		6 - 9	0.0 ± 0.0	31 (18)	72.2 ± 1.1	30 (15)	375.5 ± 14.1	30 (18)	746.0 ± 11.9	27 (16)
		9 - 12	0.0 ± 0.0	31 (18)	70.5 ± 1.5	30 (15)	345.1 ± 6.7	30 (18)	712.8 ± 10.6	27 (16)
		12 - 15	0.0 ± 0.0	31 (18)	67.7 ± 2.4	30 (15)	351.8 ± 7.0	30 (18)	714.4 ± 10.8	27 (16)
		15 - 18	0.0 ± 0.0	31 (18)	74.5 ± 2.8	30 (15)	362.6 ± 4.4	29 (17)	748.5 ± 9.5	27 (16)
		18 - 21	0.0 ± 0.0	31 (18)	72.5 ± 5.1	30 (15)	374.9 ± 10.1	30 (18)	720.2 ± 15.6	27 (16)
		0 - 21	0.0 ± 0.0	31 (18)	70.7 ± 1.4	30 (15)	356.7 ± 7.0	30 (18)	726.1 ± 9.2	27 (16)
Lactation	A	1 - 4	0.0 ± 0.0	32 (18)	118.1 ± 7.9	31 (16)	588.0 ± 24.7	31 (19)	1156.3 ± 41.5	28 (16)
Gestation	B	0 - 3	0.0 ± 0.0	34 (20)	67.1 ± 1.7	27 (17)	349.3 ± 9.2	31 (19)	700.6 ± 15.5	30 (18)
		3 - 6	0.0 ± 0.0	34 (20)	66.9 ± 0.9	27 (17)	340.4 ± 7.4	31 (19)	685.2 ± 11.2	30 (18)
		6 - 9	0.0 ± 0.0	34 (20)	70.6 ± 1.8	27 (17)	348.1 ± 7.4	31 (19)	695.5 ± 12.9	30 (18)
		9 - 12	0.0 ± 0.0	34 (20)	63.2 ± 2.2	26 (17)	327.1 ± 4.7	31 (19)	654.4 ± 6.8	30 (18)
		12 - 15	0.0 ± 0.0	34 (20)	63.8 ± 1.5	27 (17)	323.3 ± 6.1	31 (19)	648.4 ± 11.6	30 (18)
		15 - 18	0.0 ± 0.0	34 (20)	64.7 ± 1.1	27 (17)	338.4 ± 4.7	31 (19)	675.6 ± 8.6	30 (18)
		18 - 21	0.0 ± 0.0	34 (20)	66.0 ± 1.3	27 (17)	357.5 ± 8.3	31 (19)	695.1 ± 10.1	30 (18)
		0 - 21	0.0 ± 0.0	34 (20)	65.3 ± 1.1	27 (17)	337.0 ± 5.3	31 (19)	672.2 ± 7.9	30 (18)
Lactation	B	1 - 4	0.0 ± 0.0	35 (20)	100.2 ± 3.4	30 (17)	529.9 ± 19.4	30 (19)	1060.8 ± 31.9	33 (18)
Gestation	C	0 - 3	0.0 ± 0.0	27 (17)	61.7 ± 1.0	32 (17)	324.6 ± 9.8	24 (17)	614.6 ± 28.9	30 (18)
		3 - 6	0.0 ± 0.0	27 (17)	59.4 ± 2.1	33 (17)	323.1 ± 6.7	24 (17)	649.6 ± 19.4	30 (18)
		6 - 9	0.0 ± 0.0	27 (17)	61.5 ± 2.5	33 (17)	331.7 ± 9.1	24 (17)	635.5 ± 17.1	30 (18)
		9 - 12	0.0 ± 0.0	27 (17)	59.8 ± 0.9	33 (17)	304.5 ± 7.9	24 (17)	621.6 ± 11.7	30 (18)
		12 - 15	0.0 ± 0.0	27 (17)	61.8 ± 1.6	33 (17)	318.0 ± 8.0	24 (17)	637.5 ± 12.5	30 (18)
		15 - 18	0.0 ± 0.0	27 (17)	64.1 ± 1.0	33 (17)	333.4 ± 6.4	24 (17)	678.0 ± 10.3	30 (18)
		18 - 21	0.0 ± 0.0	27 (17)	64.8 ± 1.3	33 (17)	351.4 ± 7.2	24 (17)	698.1 ± 14.0	30 (18)
		0 - 21	0.0 ± 0.0	27 (17)	61.6 ± 1.0	33 (17)	324.6 ± 6.8	24 (17)	644.9 ± 10.0	30 (18)

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F1 Females: F1c Parental Females

Phase	Litter ID	Days	Treatment Groups (ppm)							
			0		1000		5000		10000	
			Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Lactation	C	1 - 4	0.0 ± 0.0	33 (19)	113.0 ± 8.8	36 (18)	500.5 ± 27.3	27 (18)	1003.6 ± 31.4	34 (18)
		4 - 7	0.0 ± 0.0	33 (19)	121.5 ± 4.8	37 (18)	578.3 ± 24.9	29 (19)	1185.0 ± 33.2	34 (18)
		7 - 10	0.0 ± 0.0	33 (19)	141.3 ± 5.9	36 (18)	685.7 ± 26.2	30 (20)	1366.7 ± 43.3	34 (18)
		10 - 13	0.0 ± 0.0	33 (19)	145.3 ± 7.1	36 (18)	728.3 ± 29.8	30 (20)	1516.9 ± 54.1	34 (18)
		1 - 13	0.0 ± 0.0	33 (19)	130.0 ± 5.3	37 (18)	629.3 ± 24.7	30 (20)	1270.7 ± 36.8	34 (18)

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LEGEND

Reported as the mean \pm SEM. N is the number of animals for the F0 Males and Females. N is the number of cages for the All F1 Males and All F1 Females. N is the number of animals (number of litters) for the F1c Parental Males and F1c Parental Females.

In multiple breeding/littering studies Litter A is the default designation for the first litter; subsequent litters of the same pair would be B, C etc.

Chemical intake values were excluded when excessive spillage was recorded.

Statistical analysis was not performed on this data.

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

All F1 Females includes all the F1 females until mating of the F1 Parental females or removal.

All F1 Males includes all the F1 males until mating of the F1 Parental males or removal.

**** END OF REPORT ****