Attachment 1: Summary of High Aromatic Studies for Reproductive Toxicity: Effect Levels & Exposure Duration

Test material	Species/Route of Exposure	NOAEL	LOAEL	Duration of Exposure	Reference
Gasoline 2-generation	Rats – males & females/Inhalation	7400ppm	No reproductive or fertility effects; no effects on offspring survival or growth	OECD protocol #416; OPPTS 870.3800 (1994) [0, 1850, 3700, 7400ppm]	McKee et al., 2000
Benzene 2-generation	Rat –female/inhalation	No maternal effects	116ppm- dec. pup wt no malformations	4 mon prior to impregnation & gestation; 2 generations	Vozovaya, 1975, 1976
1-generation	Rat- female/inhalation	No maternal effects 30ppm	300ppm – dec pup wt, no malformations	6h/d, 5d/wk for 60 d; 7d/wk for 35 days GD 1-20; LD 5-20	Kuna et al., 1992
Mixed Xylenes 1-generation	Rats- males & females/ inhalation	500ppm – max. dose parents & F1 offspring	None	151d, 5d/wk 35d, 7d/wk, 6hr/d gest. (1-20); lact.(5-20)	API, 1983
Male fertility	Rats- Males/ Inhalation	1000ppm – only dose, no effect on testes/acc organs	None	61 days, 18hr/d	Nylén et al., 1989
High Flash Aromatic Naphtha (C9) 3-generation	Rats – males & females/Inhalation offspring	500ppm [no reproductive effects at 1500ppm] 500ppm	1500ppm: dec parental body wt all gen., no repro effects 1500ppm: dec pup body wt all gen. after restart exposure. to dams at lact.day 5 F1 dams with undetected pregnant exposed to delivery had dec. litter size, birth wt and pup survival	10wk, 6hr/d, 5d/wk M&F; F0 6hr/d, 7d/wk GD0-20, LD5-21; F1 GD0-20 begun 5-7wk-old, LD5-21 F2 GD0-20, begun at weaning [3wk old]	McKee et al, 1990

Attachment 2. Summary of High Aromatic Studies for Reproductive Toxicity: Effect Levels & Exposure Duration (cont)

Test material	Species/Route of Exposure	NOAEL	LOAEL	Duration of Exposure	Reference
Aromatol (C9) 1-generation	Rats – females/ Inhalation	120ppm	200ppm: maternal & pup body wt dec, also at 400ppm; no malformations	24h/d, 7d/wk GD7-15, natural delivery	Ungváry et al., 1983
	Rats – females/ Inhalation	400ppm	None: did not reproduce Ungváry et al, 1983 effects	24h/d, 7d/wk GD7-15, natural delivery	Lehotzky et al., 1985.
C10-C12 Naphtha	Rats- males & females/Inhalation	In Progress			ICCA Hydrocarbon Solvents HPV Test Program

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