

Draft List of Health Effects 10/15/2018

(Draft ATSDR Toxicological Profile: Appendix A and C-8 Study)

PFOA

- Delayed mammary gland development should be most sensitive endpoint
- Pregnancy-induced hypertension/pre-eclampsia
 - Liver damage, as evidenced by increases in serum enzymes and decreases in serum bilirubin levels
 - Increases in serum lipids, particularly total cholesterol and LDL cholesterol
 - Increased risk of thyroid disease
 - Decreased antibody response to vaccines
 - Increased risk of asthma diagnosis
 - Increased risk of decreased fertility
 - Small (<20 g or 0.7 ounces per 1 ng/mL increase in blood perfluoroalkyl level) decreases in birth weight
 - Increased risk of ulcerative colitis (auto-immune disease)
 - Increased risk of kidney and testicular cancer

PFOS

- Immunotoxicity should have been most sensitive endpoint which would lead to MRL 2.5-100X lower than currently calculated
- Pregnancy-induced hypertension/pre-eclampsia
 - Liver damage, as evidenced by increases in serum enzymes and decreases in serum bilirubin levels
 - Increases in serum lipids, particularly total cholesterol and LDL cholesterol
 - Increased risk of thyroid disease
 - Decreased antibody response to vaccines
 - Increased risk of asthma diagnosis
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PFHxS

- Liver damage, as evidenced by increases in serum enzymes and decreases in serum bilirubin levels LOAEL from Butenhoff should be 0.3 mg/kg/day
- Decreased antibody response to vaccines net 1 mg/kg/day side to ↑PTT_{in}

PFNA

- Increases in serum lipids, particularly total cholesterol and LDL cholesterol
- Decreased antibody response to vaccines ATSDR didn't provide rationale for using t_{1/2} of 2.5 yrs rather than 4.3 for other groups besides young women.