

Known Chemicals of Particular Concern with Regard to Human Reproductive Health

Chemical Group	Common Uses	Reproductive Health Concerns
alkyl phenols and related chemicals	<ul style="list-style-type: none"> • industrial and institutional cleaning sector (including domestic cleaning) • textile and leather processing • personal care products • pesticide production 	<ul style="list-style-type: none"> • hormone mimicking activities • reduced male fertility, testicular size, sperm quality
phthalates	<ul style="list-style-type: none"> • plasticizers in PVC and special polymer applications • gelling agents • solvents and fixatives in cosmetics and other personal care products (PCPs) 	<ul style="list-style-type: none"> • testicular toxicity • reduced anogenital distance, cleft phallus, hypospadias and undescended testes in immature males • reduced male and female fertility • fetal toxicity (possibly leading to death or malformations)
brominated flame retardants	<ul style="list-style-type: none"> • as flame retardants in industrial and electrical appliances, vehicles, lighting, wiring as well as textiles, furnishing and insulating materials such as polystyrene 	<ul style="list-style-type: none"> • estrogen mimicking • birth defects in rodents documented • impacts on nervous system and behavioral development
organotin compounds	<ul style="list-style-type: none"> • PVC UV stabilizers • agrochemicals and biocides • antifoulants • catalysts 	<ul style="list-style-type: none"> • inhibition of steroid hormone production • adverse impact on in-utero development of fetus including abnormalities in genital development in male fetuses
bisphenol-A and its derivatives	<ul style="list-style-type: none"> • production of polycarbonate plastic used in products like baby bottles, CDs, motorcycle windshields, etc. • production of epoxy resins used in things like food packaging 	<ul style="list-style-type: none"> • estrogenic activity • altered male reproductive organs • early puberty induction • reduced breast feeding
artificial musks	<ul style="list-style-type: none"> • fragrance mixtures for detergents, fabric, conditioners, cleaning agents, air fresheners, and other household products • cosmetic products such as soaps, shampoos and perfumes 	<ul style="list-style-type: none"> • estrogenic activity • anti-estrogenic activity