

The six phthalates mentioned in state legislative proposals have been reviewed by various government and government-sanctioned scientific bodies. All the listed phthalates are subject to bans or restrictions in the European Union.

**Phthalate**  
Risk Assessments  
United States  
and Europe

<b>CPSC</b> Consumer Product Safety Commission	<b>EU</b> European Union	<b>CERHR</b> U.S. Center for the Evaluation of Risks to Human Reproduction  (All CERHR reports are expressed in levels of concern)	<b>CIR</b> Cosmetic Ingredient Review	<b>CDC</b> Centers for Disease Control and Prevention biomonitoring studies
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<b>DINP</b>	"no demonstrated health risk"	"unlikely to pose a risk for consumers (adults, infants and newborns)" <sup>1</sup>	"minimal concern" for children, adults and fetuses		not detectable in most test subjects
<b>DIDP</b>		"no likely risks" for any groups as currently used	"minimal concern" for adults, fetuses and children		not monitored; based on physical properties and uses, probably similar to DINP
<b>DnOP</b>		not assessed	"negligible concern" for adult reproductive system; insufficient animal data for other effects on adults		not detectable in most subjects
<b>DEHP</b>		preliminary conclusion: safe for general public (excluding neonates)	"serious concern" for critically ill neonates; "concern" for infants under one; "some concern" for toddlers over one and male offspring of exposed pregnant women; minimal concern for general public		average exposure 10-33 times below EPA reference dose <sup>2</sup> (safety level)
<b>DBP</b>		"no concern for consumers using nail polish containing DBP"	"minimal concern" for fetal developmental effects for pregnant women with typical exposure; "some concern" for male fetal development in women with high exposure (conclusion based on exposure estimates that turned out to be higher than actual)	"safe as used" in current applications and concentrations	average exposure more than 100 times below EPA reference dose
<b>BBP</b>		"no concern" for children or adults (final draft).	"minimal concern" for developmental effects in children and fetuses; negligible concern for reproductive effects in adult males.		average exposure 400 times below EPA reference dose

**FOOTNOTES:**

<sup>1</sup> European Union risk assessments were performed by member states under the management of the European Chemicals Bureau.

<sup>2</sup> For phthalates, the EPA reference doses are calculated from the no effect level in the most sensitive rodent studies, divided by a safety factor of 100 to 1000.