

Chemical: Triphenyl Phosphate

CASRN: 115-86-6

Version: Draft, July 2012

Human Health Effects

PROPERTY/ENDPOINT		DATA	REFERENCE	DATA QUALITY
Reproductive Effects		LOW: Based on a rat oral reproductive/developmental NOAEL = 690 mg/kg-bw/day for reproductive effects (highest dose tested). In addition, no histopathological effects on reproductive organs were reported following 3 weeks of dermal exposure in rabbits.		
	Reproduction/ Developmental Toxicity Screen			No data located.
	Combined Repeated Dose with Reproduction/ Developmental Toxicity Screen	Reproductive/developmental dietary study (91 days pre mating and continuing through gestation), 40 male and 40 female rats/group, test compound concentrations of 0, 0.25, 0.50, 0.75, or 1.0% (~0, 166, 341, 516 or 690 mg/kg-bw/day, respectively). No signs of parental toxicity, no reproductive effects (number pregnant, corpora lutea, implantations, implantation efficiency, resorptions). NOAEL (reproductive effects) = 690 mg/kg-bw/day (highest dose tested) (Measured) LOAEL = not identified; there were no effects at the highest dose tested.	OECD SIDS, 2002; ATSDR, 2009	Reported in a secondary source.

PROPERTY/ENDPOINT		DATA	REFERENCE	DATA QUALITY
	Reproduction and Fertility Effects	Rabbits, dermal (clipped, intact), 5x/week, 3 weeks, 50% solution in ethanol; no effect on the reproductive organs reported up to the highest dose tested (1,000 mg/kg/day) NOAEL = 1,000 mg/kg/day (Measured)	OECD SIDS, 2002	Reported in a secondary source. Organs examined by histopathology; there were no effects at the highest dose tested; dermal repeated-dose study.

ATSDR (Agency for Toxic Substances and Disease Registry). Draft toxicological profile for phosphate ester flame retardants. U. S. Department of Health and Human Services, Public Health Service, **2009**.

OECD SIDS (Organisation for Economic Cooperation and Development Screening Information Dataset). 2002. SIDS Initial Assessment Report for Triphenyl Phosphate. <http://www.chem.unep.ch/irptc/sids/OECDIDS/115866.pdf>