

**Chemical:** Triphenyl Phosphate

**CASRN:** 115-86-6

Version: Draft, July 2012

#### Environmental Fate

PROPERTY/ENDPOINT		DATA	REFERENCE	DATA QUALITY
<b>Bioaccumulation</b>		<b>MODERATE: There is moderate concern for bioaccumulation based on experimental BCF values.</b>		
	<b>Fish BCF</b>	132–364 (Rainbow trout) (Measured)	Mayer et al., 1981	Adequate.
		271(Rainbow trout) (Measured)	Monsanto Chemical Co, 1982	
	<b>BAF</b>	73 (Estimated)	EPI	
	<b>Metabolism in Fish</b>			No data located.
<b>ENVIRONMENTAL MONITORING AND BIOMONITORING</b>				
<b>Environmental Monitoring</b>		Several studies on environmental monitoring have appeared; triphenyl phosphate has been detected in drinking water, surface water, sediment, and in ambient air (OECD SIDS, 2002).		
<b>Ecological Biomonitoring</b>		No data located.		
<b>Human Biomonitoring</b>		Detected in human adipose tissue (NHATS, 1989). This chemical was not included in the NHANES biomonitoring report (CDC, 2011).		

CDC (Centers for Disease Control and Prevention). *Fourth national report on human exposure to environmental chemicals, updated tables*. Department of Health and Human Services. **2011**. [http://www.cdc.gov/exposurereport/pdf/Updated\\_Tables.pdf](http://www.cdc.gov/exposurereport/pdf/Updated_Tables.pdf) (accessed on May 10, 2011).

EPI (*EPIWIN/EPISUITE*) *Estimations Programs Interface for Windows*, Version 4.0. U.S. Environmental Protection Agency: Washington D.C. <http://www.epa.gov/opptintr/exposure/>.

Mayer, F; Adams, W; Finley, M; et al. Phosphate ester hydraulic fluids: An aquatic environmental assessment of pydrauls 50E and 115E. *Aquatic Toxicology and Hazard Assessment: Fourth Conference*, ASTM STP 737, Branson, D and K. Dickinson, Eds. American Society for Testing and Materials, p103-123. **1981**.

Monsanto Chemical Co. Summary on additional environmental testing of phosphate esters and attached enclosures with cover letter. TSCA 4 submission by Monsanto Chemical Company, OTS0512768, **1982**.

NHATS (National Human Adipose Tissue Survey). Final Report. U. S. Environmental Protection Agency. Washington, D.C. **1989**.

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/OECDSIDS/115866.pdf>