

Preliminary Property Prediction Results

Substance: CAS 2466-73-1 (isobutyl dihydrogen phosphate)

OECD	Endpoint	Property prediction ¹
107	Partition Coefficient n-octanol/water	-0.2
406	Skin Sensitisation (GPMT)	non-sensitizer
471	In vitro Gene Mutation study in Bacteria (Salmonella Typhimurium)	non-mutagenic
202	Acute toxicity for Daphnia Magna	(48 h) practically non-toxic
404	Skin Irritation (based on <i>in vivo</i>)	weak irritant
405	Eye irritation (based on <i>in vivo</i>)	weak irritant
473	Mutagenicity - In vitro study in Mammalian Cells	non-mutagenic
417	Assessment of Toxicokinetic Behaviour: Blood-brain barrier partition / Human Serum Albumin Binding	HAS (Human Serum Albumin Binding) – out of AD BBB (Blood-brain barrier partition) – 0.36
203	Acute Toxicity Test - Fish	Minnow – practically non-toxic Trout – slightly toxic
209	Toxicity to Activated Sludge	1E3 mg/L
121	Adsorption/Desorption Screening	very low binding capacity
414	Prenatal developmental toxicity study	non-toxic
211	Daphnia magna reproduction test	practically non-toxic
307	Persistence: biotic degradation in soil	169h
308	Persistence: biotic degradation in sediment	510h
305	Bioaccumulation in Aquatic Species (BAF and BCF)	BAF: not accumulating; BCF: low potential for bioconcentration

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