

TEST PLAN

<u>2-Propanone, Reaction Products with Phenol</u> CAS RN: 72162-28-8		Information	OECD Study	GLP	Other Study	Estimation Method	Acceptable	SIDS Testing Required
STUDY		Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
PHYSICAL AND CHEMICAL DATA								
1.0	Melting Point	Y	N	N	Y	N	Y	N
2.0	Boiling Point	Y	N	N	Y	N	Y	N
3.0	Vapor Pressure	Y	N	N	Y	N	Y	N
4.0	Partition Coefficient	Y	N	N	Y	N	Y	N
5.0	Water Solubility	N	N	N	N	N	N	Y
ENVIRONMENTAL FATE AND PATHWAY								
6.0	Photodegradation	Y	N	N	Y	Y	Y	N
7.0	Stability in Water	Y	Y	N	N	N	Y	N
8.0	Transport and Distribution	Y	N	N	Y	Y	Y	N
9.0	Biodegradation	N	N	N	N	N	N	Y
ECOTOXICITY								
10.0	Acute Toxicity to Fish	Y	Y	Y	N	N	Y	Y
11.0	Toxicity to Algae	Y	Y	Y	N	N	Y	Y
12.0	Acute Toxicity to Daphnia	Y	Y	Y	N	N	Y	Y ^a
TOXICITY								
13.0	Acute Toxicity	Y	N	N	Y	N	Y ^d	N
14.0	Genotoxicity <i>In Vitro</i> or <i>In Vivo</i> (Chromosome Aberration Test)	Y	N	N	N	N	Y ^d	Y ^b
15.1	Genotoxicity <i>In Vitro</i> (Bacterial Test)	Y	N	N	N	N	Y ^d	Y ^b
15.2	Genotoxicity <i>In Vitro</i> (Mammalian Cells)	Y	N	N	N	N	Y ^d	Y ^b
16.0	Repeated Dose Toxicity	Y	N	N	Y	N	Y ^d	Y ^c
17.0	Reproductive Toxicity	Y	Y	Y	N	N	Y ^d	Y ^c
18.0	Developmental Toxicity / Teratogenicity	Y	N	Y	Y	N	Y ^d	Y ^c

^a Acute toxicity to Daphnia magna will be performed if the water solubility is > 1 ppb; the chronic toxicity study will be performed if the water solubility is < 1 ppb.

^b Studies to verify lack of mutagenic activity will be conducted.

^c An OECD 421 study incorporating liver and kidney toxicity evaluation for comparison to BPA will be conducted.

^d Based on the extensive database for BPA, the major component of this mixture.