

Alkyl ketene dimer

Toxicological Data on the Unburnt Ingredient

[+ve, positive; -ve, negative; ?, equivocal; with, with metabolic activation; without, without metabolic activation]

In vitro

Test system	Test conditions	Endpoint	Activation status	Results	Reference
Human lymphocytes	Chromosome aberration test with Aquapel 364 [a trade name for alkylketene dimer] at up to 1 mg/ml (higher concentrations prevented by precipitation). [Brief citation of an unpublished study.]	Chromosome damage	With and without S9	-ve	SIDS, 2005
<i>Salmonella typhimurium</i> TA98, TA100, TA1535, TA1537	Ames test with 84989-41-3 at up to 5 mg/plate. [Brief citations of an unpublished study.]	Mutation	With and without S9	-ve	IUCLID, 2000; SIDS, 2005
<i>Salmonella typhimurium</i> TA98, TA100, TA1535, TA1537, TA1538	Ames tests with 84989-41-3 at up to 1 mg/plate. [Brief citations of an unpublished study.]	Mutation	With and without S9	-ve	IUCLID, 2000; SIDS, 2005

References

IUCLID (2000). European Commission - European Chemicals Bureau. Dataset for 2-Oxetanone, 3-C12-16-alkyl-4-C13-17-alkylidene derivs.

SIDS (2005). SIDS Initial Assessment Report for SIAM 20. Alkyl ketene dimer 84989-41-3.

