



Department of Pesticide Regulation



Brian R. Leahy
Director

MEMORANDUM

Edmund G. Brown Jr.
Governor

TO: Dr. Marylou Verder-Carlos
Assistant Director
Pesticide Programs Division

FROM: Lisa Ross, Ph.D. *[Original signed by L. Ross]*
Environmental Program Manager II
Chief, Worker Health and Safety Branch
(916) 324-4116

DATE: January 15, 2016

SUBJECT: COMPLETION OF PENTACHLOROPHENOL MITIGATION

Pentachlorophenol (PCP) has a broad range of biocidal activity. PCP is used as an algicide, bactericide, fungicide, insecticide, and molluscicide. PCP was entered into the risk assessment process because of toxic and carcinogenic effects reported in animal studies. The risk assessment was completed in 1998.

A Margin of Exposure of at least 100 is generally recognized as protective of human health when the toxicological endpoints are derived from animal studies. Based on the toxicity and exposure data available at the time of the risk assessment, the MOEs were acceptable for estimated acute and chronic occupational, residential, and dietary exposures to PCP.

Cancer risk due to PCP was estimated to be as high as 7.7×10^{-6} for average exposure of the most highly exposed workers, 1.5×10^{-6} for average exposure in PCP-treated log homes, 5.7×10^{-7} for average dietary intake, 8.3×10^{-6} for combined occupational and dietary exposure, and 2.1×10^{-6} for combined residential and dietary exposure.

No mitigation of risks is necessary at this time because no products containing PCP are currently registered in California. However, if products containing PCP are registered in California in the future, a risk assessment should be considered. Your approval of this request is requested.

cc: Kevin Solari, Environmental Program Manager I (Supervisory)

APPROVAL

[Original signed by M. Verder-Carlos]
Marylou Verder-Carlos, Assistant Director

January 25, 2016
Date

