



# Department of Pesticide Regulation



Brian R. Leahy  
Director

## MEMORANDUM

Edmund G. Brown Jr.  
Governor

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

**HSM-16012**

**(No. assigned after issuance of memo)**

FROM: Lisa Ross, Ph.D.  
Environmental Program Manager II  
Chief, Worker Health and Safety Branch  
(916) 324-4116

*[Original signed by L. Ross]*

DATE: January 15, 2016

SUBJECT: COMPLETION OF PENTACHLOROPHENOL MITIGATION

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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  $7.7 \times 10^{-6}$  for average exposure of the most highly exposed workers,  $1.5 \times 10^{-6}$  for average exposure in PCP-treated log homes,  $5.7 \times 10^{-7}$  for average dietary intake,  $8.3 \times 10^{-6}$  for combined occupational and dietary exposure, and  $2.1 \times 10^{-6}$  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

