



# 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-16011**  
**(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 MOLINATE MITIGATION

---

Molinate is a pre-emergence herbicide for use in rice fields. Molinate entered the risk assessment process because of possible adverse effects identified in reproductive and chronic toxicity animal studies. The risk assessment was completed in 1996.

A Margin of Safety (MOS) 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 MOSs were acceptable for estimated acute, seasonal, annual, and lifetime exposure to molinate of workers, the general public, and farmers.

The U.S. Environmental Protection Agency published a Notice of Order to Amend Registrations to Terminate Uses of molinate in rice in the July 30, 2008 edition of the *Federal Register*. The Notice clarified the deadline for persons other than the registrant to sell and distribute molinate until July 1, 2009. The stop use date was August 31, 2009.

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