



Brian R. Leahy  
Director

Edmund G. Brown, Jr.  
Governor

California Notice 2013-12

**NOTICE OF INITIATION OF RISK MITIGATION  
FOR THE ACTIVE INGREDIENT  
SULFURYL FLUORIDE  
(STRUCTURAL & NON-FOOD COMMODITY USES)**

The Department of Pesticide Regulation (DPR) is initiating the development of mitigation measures for the active ingredient sulfuryl fluoride when used as a structural and non-food commodity fumigant. In the risk characterization document (RCD) for sulfuryl fluoride as a toxic air contaminant (TAC), DPR identified several exposure scenarios of concern including acute (short-term) and repetitive exposures to workers and acute exposures to bystanders and residents. The RCD for the sulfuryl fluoride TAC assessment is available at [http://www.cdpr.ca.gov/docs/emon/pubs/tac/finaleval/sulf\\_fluor.htm](http://www.cdpr.ca.gov/docs/emon/pubs/tac/finaleval/sulf_fluor.htm). When this RCD was developed, Vikane® was the only sulfuryl fluoride product registered for use in structural and non-food commodity fumigations in California. DPR has since registered two additional sulfuryl fluoride products for this use. A subsequent risk management directive (RMD), available at [http://www.cdpr.ca.gov/docs/whs/pdf/sulfuryl\\_fluoride\\_rmd\\_040607.pdf](http://www.cdpr.ca.gov/docs/whs/pdf/sulfuryl_fluoride_rmd_040607.pdf), directed DPR staff to mitigate the exposures of concern from the RCD.

After sulfuryl fluoride was declared a TAC, DPR conducted a reevaluation of sulfuryl fluoride products registered for structural and non-food commodity fumigations. This reevaluation was concluded in March 2013. Studies submitted during this reevaluation indicate that acute and repetitive worker exposures are mitigated using certain aeration procedures. These aeration procedures have since been revised and were approved by DPR in May 2013. In accordance with DPR's RMD, acute exposures to bystanders and residents reentering homes fumigated with sulfuryl fluoride products still require mitigation.

If you would like to participate in the sulfuryl fluoride risk mitigation process, please submit proposed mitigation measures addressing resident/bystander impacts from structural and non-food commodity fumigation uses of sulfuryl fluoride to DPR in writing by **January 17, 2014**. Proposals received after January 17, 2014, may not receive consideration by DPR prior to the adoption of mitigation measures. Please address all proposals to:

Risk Mitigation Proposals – (Sulfuryl fluoride)  
Attn: Ann Hanger  
Pesticide Registration Branch  
Department of Pesticide Regulation  
1001 I Street, P.O. Box 4015  
Sacramento, California 95812-4015



DPR is currently developing an addendum to the sulfuryl fluoride RCD to address post-harvest food commodity fumigation. Once this RCD addendum is completed, DPR will issue an RMD to address any remaining potential health concerns. When the addendum becomes available, it will be posted on DPR's Web site at <http://www.cdpr.ca.gov/docs/registration/canot/camenu.htm>.

Please address all questions pertaining to this notice to Ms. Ann Hanger, Senior Environmental Scientist (Specialist), Pesticide Registration Branch, by telephone at 916-324-3535 or by e-mail at [ahanger@cdpr.ca.gov](mailto:ahanger@cdpr.ca.gov).

*[Original signed by]*

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Ann Prichard, Chief  
Pesticide Registration Branch  
916-324-3931

*November 27, 2013*

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Date

cc: Ms. Ann Hanger