



**Offices of Agricultural Commissioner
Weights and Measures**

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Closed Mixing Systems Regulations EFFECTIVE JANUARY 1, 2016

Closed mixing systems are engineering controls used to protect employees from dermal hazards when mixing pesticides with high acute dermal toxicity. The dermal toxicity of a pesticide is determined by the precautionary statements on the label. Closed mixing systems are now divided into two distinct categories, Tier 1 and Tier 2 mixing system.

TIER 1 CLOSED MIXING SYSTEM

Label dermal statement: *“Fatal if absorbed through skin”*

System design: Requires the transfer of the pesticide from the original container and triple rinse the container within the closed system.

Examples: K-Pam HL
MSR Spray Concentrate
Telone II

TIER 2 CLOSED MIXING SYSTEM

Label dermal statement: *“May be fatal if absorbed through skin”*
or *“Corrosive, causes skin damage”*

System design: Requires the transfer of the pesticide from the original container only; does not require the container to be triple rinsed within the closed system.

Examples: Ethephon
Rely (Glufosinate)
Sonalan

There are variations between labels due to inert ingredients which may result in similar products requiring a closed system while others do not. Review all labels prior to employees mixing pesticides and have an approved closed mixing system if necessary.

Employees must be trained on how to use the closed system and have a copy of the written operating instructions available for review. Employees must wear safety glasses when operating a closed mixing system as well as all other label and regulatory required personal protection equipment.

If you have any questions, please contact this office for clarification.