

REGULATORY REVIEW

Agricultural Commissioner's Office

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Personal Protective Equipment

Closed Mixing Systems

Personal Protective Equipment

California Code of Regulations change

- Effective July 1, 2015
- Substantive changes
 - **Protective Eyewear**
 - **Selection of Gloves**

CCR 6738 - Personal Protective Equipment Care

The employer *shall*:

- provide all Personal Protective Equipment (PPE) required by pesticide label, regulation and permit conditions
- provide for its daily inspection and cleaning
- repair or replace any worn, damaged or heavily contaminated PPE
- assure all clean PPE is kept separate from personal clothing in a clean, pesticide-free designated place

CCR 6738 - Personal Protective Equipment Care (cont.)

The employer *shall*:

- assure PPE is used correctly
- keep and wash potentially contaminated PPE separate from other clothing or laundry
- assure all PPE is dried thoroughly before being stored or stored in a well ventilated place to dry
- if employee goes directly home after their work day, potentially contaminated PPE must be stored in a sealable container outside their living quarters

CCR 6738 - Personal Protective Equipment Care (cont.)

The employer *shall*:

- assure any person or firm hired to clean or repair any potentially contaminated PPE is notified of the hazards of exposure to pesticides and methods to protect against personal injury

CCR 6738.1 - Personal Protective Equipment Use

PPE may be required by...

- Pesticide label
- Regulation
- Permit conditions

CCR 6738.1 - Personal Protective Equipment Use (cont.)

Protective eyewear – required when employees are...

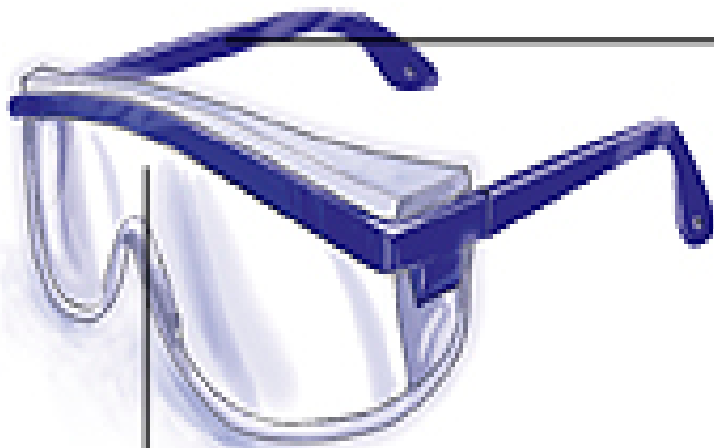
- Mixing, loading or applying pesticides by hand or ground rig, or
- Exposed to mixing, loading or application equipment that contains or is contaminated with pesticides

CCR 6738.2 – Selection of Protective Eyewear

Employer must assure protective eyewear provides brow and temple protection, conforms to the curvature of the face and provides side protection to the eyes

CCR 6738.2 – Selection of Protective Eyewear (cont.)

- If the label requires protective eyewear, but does not identify a specific type, any of the following may be worn...
 - Safety glasses
 - Goggles
 - Face shield
- All protective eyewear must **bear evidence of ANSI Z87.1-2010** compliance

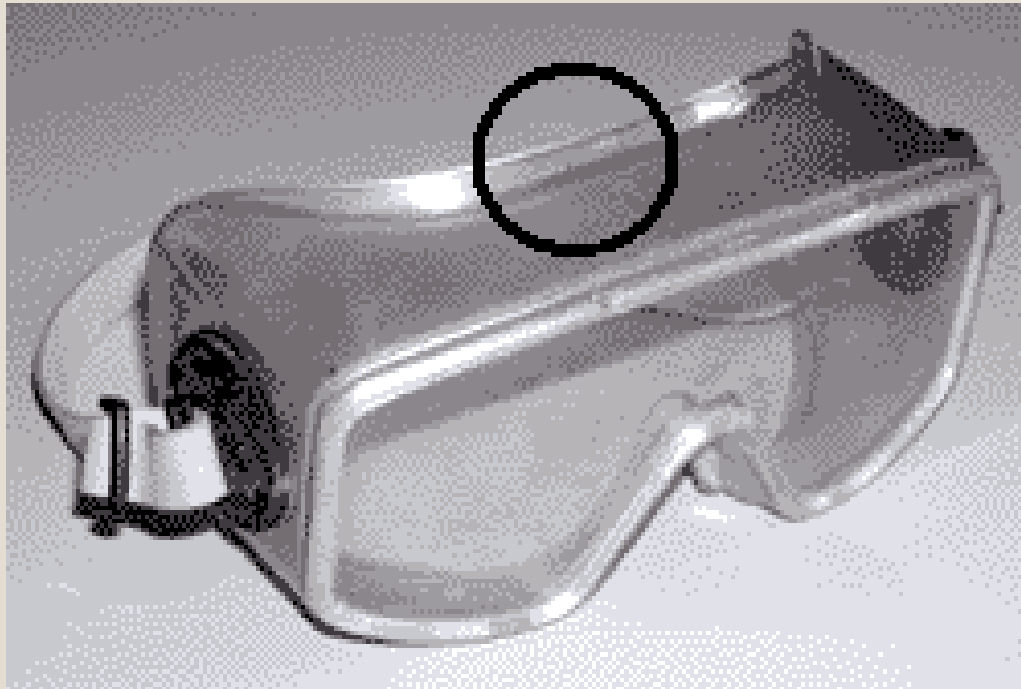


Frame imprint: All safety frames that meet ANSI standards have the imprint "Z87" stamped on them.



Lens marking: The manufacturer's identification or monogram appears on the top of each safety lens that meets ANSI standards.





CCR 6738.2 – Selection of Protective Eyewear (cont.)

Protective eyewear providing more protection than that required by pesticide label or regulation may be worn, unless its use is specifically prohibited by label

CCR 6738.2 – Selection of Protective Eyewear (cont.)

A full-face mask respirator satisfies the protective eyewear requirement, unless its use is specifically prohibited by label

- Full-face mask respirator must be NIOSH approved
- Evidence of ANSI Z87.1-2010 compliance is **not** applicable

CCR 6738.2 – Selection of Protective Eyewear (cont.)

Wearing of prescription lenses must not interfere with the fit and function of protective eyewear, and the protective eyewear must not interfere with the fit and function of the prescription lenses

CCR 6738.1 - Personal Protective Equipment Use

Chemical-resistant gloves – required when employees are...

- Mixing, loading or applying pesticides by hand or ground rig, or
- Exposed to mixing, loading or application equipment that contains or is contaminated with pesticides

CCR 6738.3 – Selection of Gloves

Employer shall assure that appropriate chemical-resistant gloves are worn by employees when their use is required

CCR 6738.3 – Selection of Gloves (cont.)

If the glove “barrier material” is specified by a category on the pesticide label, then a glove made of that material must be worn

CCR 6738.3 – Selection of Gloves (cont.)



Glove Category Selection Key

Label Code	Materials Required by Law	Material Code
A	1,2,3,4,5,6,7,8	1: Laminate
B	1,2	2: Butyl
C	1,2,3,4,7,8	3: Nitrile
D	1,2	4: Neoprene
E	1,3,4,8	5: Natural
F	1,2,3,8	6: Polyethylene
G	1,8	7: PVC
H	1,8	8: Viton

All but Laminate and Polyethylene must be 14 mils or thicker

CCR 6738.3 – Selection of Gloves (cont.)

If barrier material is not specified by pesticide label, then any barrier material cited in the Glove Category Selection Key may be used

CCR 6738.3 – Selection of Gloves (cont.)

All barrier materials must be 14 mils thick or thicker, except...

- barrier Laminate or Polyethylene
- when making fine adjustment to equipment or performing activities requiring high dexterity a thinner glove *of the label required barrier material* may be used for 15 minutes and then must be discarded

CCR 6738.3 – Selection of Gloves (cont.)

Separable glove liners may be worn under chemical-resistant gloves, however...

- Liner must not extend beyond the end of the glove
- Liner must be discarded at the end of the workday, or immediately if any portion of the liner comes in contact with the pesticide

CCR 6738.3 – Selection of Gloves (cont.)

- Flocked gloves or those with non-separable liners are prohibited
- Leather gloves may be worn over chemical-resistant gloves, but once used for this purpose they must not be worn without being worn over chemical-resistant gloves

Closed Mixing Systems

Regulatory change effective Jan. 1, 2016

Closed Mixing Systems

A “closed mixing system” is a device designed to remove a pesticide from its original container and transfer the pesticide through connecting hoses, pipes and couplings that are sufficiently tight to prevent exposure to the pesticide

Closed Mixing Systems (cont.)

“Triggers” for Closed Mixing System Use

- **Label Requirement** – A pesticide label requirement to use a closed mixing system applies to all users, growers and employees alike
- **Precautionary Statements** – The pesticide label *Precautionary Statements* trigger applies to employee pesticide handlers only

Closed Mixing Systems (cont.)

Precautionary Statements “Triggers”

- **“Fatal if absorbed through skin”** or other comparable language on the pesticide label (including adjuvants) requires a **“Tier 1”** closed mixing system to be used.
- **“May be fatal if absorbed through skin”** or **“Corrosive, causes skin damage”** or other comparable language on the pesticide label (excluding adjuvants) requires a **“Tier 2”** closed mixing system to be used.

Closed Mixing Systems (cont.)

- “**Tier 1**” closed mixing system is capable of enclosing the pesticide while removing the contents from its original container, preventing the pesticide from contacting handlers, *rinsing* and draining the container, and transferring the pesticide and rinsate to the mix or spray tank all while the container is still connected to the closed mixing system.
- “**Tier 2**” closed mixing system is capable of enclosing the pesticide while removing the contents from its original container, preventing the pesticide from contacting handlers, and transferring the pesticide to the mix or spray tank.

Closed Mixing Systems (cont.)

Employee Handler Training

- Employees must be trained to use a closed mixing system in accordance with its written operating instructions
- Written operating instructions must be available with the closed mixing system at the worksite

Closed Mixing System (cont.)

CCR 6746(h). Exemptions – Closed mixing system regulations do not apply to...

- Mixing pesticides using a method or mixing device that is in conflict with the pesticide label (FAC 12973)
- Opening of a container by removal of the manufacture's original sealing device without removing any of the contents before re-closing with a liquid-tight sealing device
- The rinsing of refillable pesticide containers that are required to be returned to the pesticide dealer, pesticide registrant or manufacturer
- An employee required to use a Tier 2 closed mixing system if the employee handles a daily maximum of one gallon