



# **California Society of Safety & Security Professionals**

**August 3, 2018**

**Morning Seminar - 8:30 - 11 am**

**Lunch Meeting - 11:30 am - 1 pm**

Lakewood Country Club

3101 Carson Street

Lakewood, California 90712

Mandatory Confirmation w/Jennifer Keena

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## **Morning Seminar**

There is NO morning seminar for August, 2018.



# CSSSP

## California Society of Safety & Security Professionals Los Angeles County Chapter

Volume 114

August 2018

### **Morning Session Speaker**

There is NO morning seminar for this month.

### **Luncheon Speaker**

Mr. Peter Gin will be speaking on Home Office Ergonomics. He will review common areas that need to be addressed and applied for a safe home office workspace. He is the Ergonomist for Southern California Gas Company.

### **Lunch Menu**

Garlic Cream Roasted Chicken  
Rice Pilaf  
Roasted Mix Vegetables  
Mixed Green Salad  
Raspberry Mouse

### **President's Message**

I'm back! Well, not really; Dan Leiner and I are sharing the President's position this year. We are excited to be the first to share this role, and can capitalize on the years of experience each of us brings to the chapter. Although, we are counting on all of you to help us build our chapter membership by attending meetings on the first Friday of every **even** month.



### **Slow Down: Back to School Means Sharing the Road**

School days bring congestion: Yellow school buses are picking up their charges, kids on bikes are hurrying to get to school before the bell rings, harried parents are trying to drop their kids off before work.

It's never more important for drivers to slow down and pay attention than when kids are present – especially before and after school.

According to research by the National Safety Council, most of the children who lose their lives in bus-related incidents are 4 to 7 years old, and they're walking. They are hit by the bus, or by a motorist illegally passing a stopped bus. A few precautions go a long way toward keeping children safe:

- Don't block the crosswalk when stopped at a red light or waiting to make a turn, forcing pedestrians to go around you; this could put them in the path of moving traffic
- In a school zone when flashers are blinking, stop and yield to pedestrians crossing the crosswalk or intersection
- Always stop for a school patrol officer or crossing guard holding up a stop sign
- Take extra care to look out for children in school zones, near playgrounds and parks, and in all residential areas
- Don't honk or rev your engine to scare a pedestrian, even if you have the right of way
- Never pass a vehicle stopped for pedestrians
- Always use extreme caution to avoid striking pedestrians wherever they may be, no matter who has the right of way

Have you thought about new ways to share your knowledge and talents this year? We are always looking for morning seminar and lunch speakers. You will be incentivized with a free lunch on us!

## The Ups, Downs, Ins, and Outs of Safe Flammable Chemical Storage

Under the Occupational Safety and Health Administration's (OSHA) revised Flammable Liquids standard (29 CFR 1910.106), every chemical with a flash point below 199.4°F (93°C) is flammable; the word "combustible" is no longer used. But, as before, some chemicals are more flammable than others, and storage and handling requirements are defined by flash point and boiling point.

Storage requirements are also affected by the quantity of chemicals being stored and by whether they are stored inside or outside. Keep reading for more information on safe storage of flammables.

### Large Quantity Storage

How you store your flammables will be affected by the amount you need to store. If you're storing large quantities of flammables (see below for a discussion of the maximum amount of flammable liquids you can store in a storage cabinet or portable tank), you'll either need specially constructed indoor or outdoor storage areas, or permanent tanks and piping systems built to comply with the extensive requirements found in 1910.106.

### Small(er) Quantity Storage

Flammable liquids must be stored in closed containers. Smaller quantities of flammable liquids can be stored in approved containers and portable tanks.

- Up to 1 pint of a Category 1 flammable liquid, or 1 gallon (gal.) of a Category 2–4 flammable liquid, can be stored in a glass or approved plastic container.
- Up to 1 gal. of a Category 1 flammable liquid, or 5 gal. of a Category 2–4 flammable liquid, can be stored in a metal container (other than a Department of Transportation (DOT) drum).
- Up to 2 gal. of a Category 1 flammable liquid, or 5 gal. of a Category 2–4 flammable liquid, can be stored in safety cans.
- Up to 60 gal. of any flammable liquid can be stored in a metal DOT-approved drum.
- Up to 660 gal. of any flammable liquid can be stored in an approved portable tank.

The table offers a visual summary of OSHA's limits for small-quantity storage of flammables.

### Maximum allowable sizes of containers and portable tanks for flammable liquids

Container type	Category 1	Category 2	Category 3	Category 4
Glass or approved plastic	1 pint	1 quart	1 gal.	1 gal.
Metal (other than DOT drums)	1 gal.	5 gal.	5 gal.	5 gal.
Safety cans	2 gal.	5 gal.	5 gal.	5 gal.
Metal drum (DOT spec.)	60 gal.	60 gal.	60 gal.	60 gal.
Approved portable tanks	660 gal.	660 gal.	660 gal.	660 gal.

In addition to the restrictions on the sizes of flammables storage containers, there are restrictions on the total amount of flammable liquids you can store in a single area. The quantity of liquid that may be located outside of an inside storage room or storage cabinet in a building or in any one fire area of a building must not exceed:

- 25 gallons of Category 1 flammable liquids in containers;
- 120 gallons of Category 2, 3, or 4 flammable liquids in containers; *or*
- 660 gallons of Category 2, 3, or 4 flammable liquids in a single portable tank.

If you need a storage cabinet, it must be made to OSHA's specifications, and you may not store more than 60 gal. of Category 1, 2, or 3 liquids, nor more than 120 gal. of Category 4 liquids, in a storage cabinet.

**Metal cabinets** for storage of flammables must be constructed in the following manner (29 CFR 1910.106(d)(3)(ii)(a)):

- Bottom, top, and sides of cabinets must be at least No. 18 gauge sheet steel.
- Cabinets must be double-walled with 1½-inch airspace.
- Joints must be riveted, welded, or made tight by some equally effective means.
- Doors must have a three-point latch.
- Door sills must be raised at least 2 inches above the cabinet bottom to retain spilled liquid within the cabinet.
- Cabinets must be labeled in conspicuous lettering "Flammable—Keep Fire Away."

**Wood cabinets** must be constructed in the following manner (29 CFR 1910.106(d)(3)(ii)(b)):

- Bottom, top, and sides of cabinets must be constructed of exterior grade plywood at least 1 inch thick.
- Plywood must not break down or delaminate under fire conditions.

- Joints must be rabbeted and fastened in two directions with flathead wood screws.
- When more than one door is used, they should have a rabbeted overlap of not less than 1 inch.
- Doors must be equipped with latches and hinges that are mounted to not lose their holding capacity when subjected to the fire test.
- Cabinets must be labeled in conspicuous lettering "Flammable—Keep Fire Away."

### Consistency

Companies regularly state that "Safety is #1." For this statement to hold true you need to create an environment where safety is an integral part of quality, productivity and customer service.

When employees walk out of a training class or safety meeting and into the workplace, what will they see, hear, or feel that is consistent with what was presented?

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