

Lessons Learned: Are your materials compatible? Do you have everything that is not part of the procedure (stock chemicals, paper, books, etc.) removed from the bench or hood before you start your work?

And most importantly, do you have a plan in case something goes wrong?

Here are 2 resources for help in determining chemical compatibility. Use them to write your SOP!

Cameo

CAMEO Chemicals is a database of hazardous chemicals that emergency responders and planners can use to get response recommendations and predict hazards, such as explosions or chemical fires. It is part of the [CAMEO software suite](#) and is available in both online and desktop versions.

<http://response.restoration.noaa.gov/oil-and-chemical-spills/chemical-spills/response-tools/cameo-chemicals.html>

Chemical Reactivity Worksheet

The Chemical Reactivity Worksheet (CRW) is a free software program you can use to find out about the chemical reactivity of thousands of common hazardous chemicals.

<http://response.restoration.noaa.gov/crw>

<http://www.cbc.ca/news/canada/montreal/laval-university-laboratory-fire-forces-evacuation-1.3018736>
Laval University laboratory fire forces evacuation

A minor accident in a laboratory at Laval University in Quebec City forced the evacuation of the Pouliot Pavillion this afternoon.

A university spokesperson says the fire started when liquid metal came into contact with flammable material in a metallurgy lab.

When 30 firefighters arrived at the scene, security guards were fighting the blaze with fire extinguishers.

After determining that the chemical fire could be safely extinguished with water, firefighters finished the job.

Approximately 3,000 people had to leave the campus.

The university says there were no injuries.

The evacuation order was lifted around 3:15 p.m., roughly one hour after the fire began.

Investigators from Quebec's Commissariat des incendies are still trying determine the exact cause of the incident.

<http://www.lohud.com/story/news/local/putnam/southeast/2015/04/01/fire-southeast-chemical-company/70771698/>

Lab fire at Southeast company Materion Corp

SOUTHEAST – A small fire broke out in a laboratory at a commercial building north of Brewster after a chemical exploded when a worker opened a container Wednesday morning, officials said.

Firefighters were called to Materion Corp., 43 Mount Ebo Road South, shortly after 11 a.m.

Employees had already extinguished much of the blaze with a dry chemical extinguisher by the time firefighters arrived, Brewster Fire Chief Tom Leather said. Some three dozen workers were evacuated.

"They followed all their safety protocols beautifully," he said.

One worker suffered a burn on his hand and was taken by ambulance to Danbury Hospital in Connecticut.

The explosion occurred when the worker opened a paint can-sized container of titanium powder, a highly flammable metal. The chemical reacted to moisture in the atmosphere and exploded.

http://www.mercurynews.com/peninsula/ci_27832386/palo-alto-teacher-burned-during-science-experiment

Palo Alto: Teacher burned during science experiment

PALO ALTO -- A chemistry teacher suffered first- and second-degree burns Wednesday while conducting an experiment at Palo Alto High School, according to fire and school officials.

Silja Paymer was teaching and demonstrating at the front of her class when a chemical reaction caused a small fire, Principal Kim Diorio said in a letter to parents. Paymer's clothes and hair caught fire.

"She immediately doused the flame in the emergency showers that are located in all of our science classrooms," Diorio said. "Her quick thinking prevented any additional injuries or damage to the classroom." Students left the room and ran to get help, Diorio said.

Paymer suffered first- and second-degree burns to about 18 percent of her body, said Palo Alto Fire Department Battalion Chief Kevin McNally. She was taken to a burn unit for treatment.

"While she was transported for medical services, most of her injuries appear to be first degree burns, and we expect a full recovery," Diorio said.

"The situation could have been much worse were it not for the quick thinking of Ms. Paymer and her students. I can assure you that she did not lose consciousness and in speaking with her, I know she is more concerned about her students' reaction to what they witnessed than her own pain." Diorio said the school is checking in with all of the students in the class to make sure they are feeling OK, to thank them for their help and to reassure them that Paymer is doing well.

According to McNally, firefighters were called to the school at 50 Embarcadero Road around 11:23 a.m. The fire was out by the time they arrived and damaged was limited to some books and papers

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