

## Science Safety Questions

- What are a teacher's responsibilities relative to safety in science teaching?
- How should chemicals be labeled and stored for safety?
- What is the suggested shelf storage pattern for organics? for inorganics?
- What is the recommended procedure for chemical disposal?
- What are emergency safety procedures in case of an accident?
- Where do I find additional safety information regarding applicable laws, codes, and professional standards?
- Does the staff know how to conduct a biological science safety audit?
- How do I best document safety provided for all my students?
- What are the guidelines for the safe classroom use of animals and micro-organisms?
- Do you micro-scale in physical science?

*Find answers to these questions and more safety needs in one easy to use proven instrument .*

## Advisory Committee

### Representing Agencies

(Alphabetical Order)

Buckeye Association of School Administrators  
Copley High School  
Division of State Fire Marshall, Fire Prevention Bureau  
Graceland University  
Jakel, Inc.  
Office of the Governor  
Ohio Association of Secondary School Administrators  
Ohio Department of Education  
Ohio Department of Health  
Ohio Emergency Management Agency  
Ohio Environmental Protection Agency  
Ohio University  
Perantinides & Nolan Co, L.P.A.  
Pickerington Local School District  
Science Education Council of Ohio  
University of Cincinnati

The Law Firm of Perantinides and Nolan, Akron Ohio in dedication to Calais Weber and Cecilia Chen and their families, whose courage in facing adversity did not spoil their dreams, funded this project. The project became a reality because these two brave young women had a purpose in life beyond themselves. They believe that truth and justice are fundamental to an enduring social order. They believe that an error does not become a mistake until you refuse to fix the problem.

It is our collective hope and wish that in some small measure the development of these tools, and training programs, will help science education professionals identify and address safety issues in academic science laboratories, and related settings.

The Law Firm of Perantinides and Nolan - Akron, Ohio



School Address

# OHIO Total Science Safety System

## FREE to OHIO's Teacher Education Institutions



Developed Through Funding Provided by  
**The Law Firm of Perantinides and Nolan, Akron Ohio**

Distributed by the  
**Science Education Council of Ohio**

**The KEY to science safety in your school.**





## Ohio Total Science Safety System

The Ohio Total Science Safety System is a "comprehensive" safety tool designed to aid pre-service and in-service educators in:

- locating and applying applicable federal and state laws and codes, and professional standards;
- performing and documenting safety audits; &
- performing electronic options for establishing and managing chemical storerooms.

The CD includes: two safe-chemical storage databases, label maker for all chemicals, nine strategic safety videos, and hundreds of safety web-links, with all information keyword searchable. Based on extensive continuing national and individual state research studies by Dr. Jack A. Gerlovich (Drake University, Jakel, Inc.), Dr. Dennis McElroy (Graceland University, Jakel, Inc.), and Kay Wagner (Science Education Council of Ohio), the comprehensive training and CD-ROM programs are designed to inform teachers of their professional responsibilities and to provide them the tools and confidence to address them.

The Ohio Total Science Safety System (OTSSS) was developed through a private grant solely to promote safety within the laboratories and schools in Ohio. The providers of the funds, used for the development and distribution of these materials, had the single purpose of reducing the potential for hazardous accidents occurring in Ohio's schools.

The System is designed, specific to Ohio, by Jakel, Inc. in collaboration with, and under the review of, the Ohio Total Science Safety Advisory Board. The Board was organized solely for this purpose. A copy of OTSSS will be provided to each Ohio public middle/junior high and high school, Ohio teacher education institution, and a limited number of private schools FREE of charge. However, to receive the institution's copy, a representative of the institution must attend a professional development (PD) session that accompanies the System. This PD will be provided at no cost during the 2010 Science Education Council of Ohio's Professional Development Conference.

The Professional Development Sessions will occur on both February 26, 2010 and February 27, 2010. The representative needs to attend only one session, but must register prior to attendance. There will be NO on-site registration. The one-per-institution OTSSS will be distributed at the session.

In order to receive the institution copy of the Ohio Total Science Safety System, a institution representative must attend professional development offered February 26 or 27, 2010 at the Greater Columbus Convention Center. There is no cost for this professional development, but the participant must register. There will be NO on-site registration. Each participant will receive the CD-ROM during the session. There will be one per institution.

## Ohio Total Science Safety System

### Professional Development Registration Form

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

College/University \_\_\_\_\_

Department \_\_\_\_\_

College/University Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

College/University Phone \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Participant Email Address \_\_\_\_\_

\_\_\_\_\_ Middle/Junior High \_\_\_\_\_ High School \_\_\_\_\_ Pre-service

I would like to attend:

\_\_\_\_\_ Friday, February, 26, 2010 \_\_\_\_\_ Saturday, February, 27, 2010

2:00 - 6:00 PM

8:00 AM —1:00 PM

Send form to:

Sharon Center

P .O. Box 349

Sharon Center, OH 44274

Confirmation will be mailed following registration. This registration is for the Ohio Total Science Safety System Session ONLY. You will not be admitted to the 2010 SECO Professional Development Conference sessions, exhibits, or activities. To register for the entire SECO Conference, visit [www.SECOonline.org](http://www.SECOonline.org).

Confirmation and time of session will be mailed to participant after registration.