

# CHAS on the Road

Introduction to the ACS Division of Chemical Health and Safety

\*Presenter Name\*

# What is chemical health and safety (CH&S)?



- Safety problems get you injured.
- Health problems make you ill.
- Chemical health & safety:  
Preventing injury and illness from:
  - Toxicity
  - Flammability
  - Corrosivity
  - Reactivity
  - Physical hazards from chemicals, equipment, and processes.

# Why do you care about CH&S?

- Everybody
  - *Protects public health & the environment.*
- Industry
  - *Shapes much industrial chemistry and chemical engineering.*
- Education
  - *Is valuable knowledge essential for all chemistry graduates.*
- Outreach
  - *Assesses and controls risks in demonstrations.*

# Incident: Sterigenics explosion, 2004



# Incident: Texas Tech U, 2010



# Incident: Rainbow Flame Demonstration, 2014



# Safety: An ACS core value

## Professionalism, Safety, and Ethics

- We support and promote the **safe**, ethical, responsible, and sustainable practice of chemistry coupled with professional and inclusive behavior and technical competence. **We recognize a responsibility to safeguard the health of the planet and the people who live on it, through chemical stewardship.**

<https://www.acs.org/content/acs/en/about/strategicplan.html>

# Diversity, Equity, Inclusion, and Respect



- Diversity: Engaging variable perspectives.
- Equity: Ensuring fair treatment.
- Inclusion: Inviting participation from all.
- Respect: Treat people ethically.

Adapted from Ford Foundation Center for Social Justice:  
[www.fordfoundation.org/about/people/diversity-equity-and-inclusion](http://www.fordfoundation.org/about/people/diversity-equity-and-inclusion)



# Division of Chemical Health and Safety (CHAS)



## Vision

- Improving people's lives through the power of best chemical health and safety practices.

## Mission

- The ACS Division of Chemical Health and Safety provides authoritative technical resources and mentorship in chemical health and safety for all.

<https://dchas.org/>

# Committee on Chemical Safety (CCS)



## Mission

- CCS provides collaborative leadership and resources to advance chemical safety.

## Vision

- A scientific community that embraces safety in all activities of the chemistry enterprise.

## Goals

- **Goal 1:** Foster collaborative partnerships to advance safe chemistry.
- **Goal 2:** Create and compile chemical safety resources that are current, well-managed and authoritative.
- **Goal 3:** Ensure effective dissemination of high quality chemical safety resources.

<https://www.acs.org/content/acs/en/about/governance/committees/chemical-safety.html>

<https://institute.acs.org/lab-safety.html>

- Your one-stop shop for safety information!
- Part of the ACS Institute

## Explore Additional Lab Safety Resources

Multimedia resources and reading materials for teachers, students, researchers and professionals. Learn how to improve safety and minimize risk in chemical laboratories.



VIDEO

### Safety Mindset

How can students work more safely in the lab?  
The ACS Safety series describes how students and teachers can practice safety in academic labs.



VIDEO

### Why Should We Do Laboratory Risk Assessments?

Learn about why and how Risk Assessments are an important habit to develop in the research lab.



VIDEO

### Working in the lab alone?

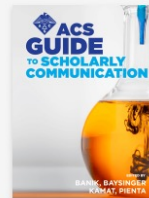
Explore the many safety requirements and scenarios you may encounter when working in a chemistry lab by yourself.



JOURNAL

### ACS Chemical Health & Safety

ACS Chemical Health & Safety is a global platform for ensuring that all members of the chemical enterprise receive access to new research, safety information, regulatory updates, effective chemical hygiene practices, and hazard assessment tools.



EBOOK

### The chapter "Communicating Safety Information" in the ACS Guide to Scholarly Communication

How can students work safer in labs? The ACS Chemical Laboratory Safety series describes how students and teachers can practice safety in academic labs. Download the book now.

# What can we do for you?

- CHAS Chats and webinars
- NEW chemical safety course for students: *“Foundations of Chemical Safety and Risk Management for Chemistry Students.”*
  - <https://institute.acs.org/safety>
  - Free for everyone
- Workshops (now offered remotely!)
- Presentations at national, regional meetings; Green Chemistry & Engineering Conference; and local sections!

<https://dchas.org/>

# Join CHAS!



- Membership benefits include access to the DCHAS e-mail listserv.
- Support Division activities
  - CHAS Chats
  - CHAS programming at National Meetings
  - Special CHAS projects with CCS and the ACS Safety Office
- <https://home.acs.org/forms/s/technical-divisions?sc=1234>
- Current dues are \$12/yr



# Questions?



*Presenter name  
and contact  
information goes  
here*





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