

Dust Safety Science, presents the 2024 Online Training Course: Understanding Dust Explosion Hazard Analysis

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HALIFAX, NOVA SCOTIA , CANADA, September 26, 2024 /EINPresswire.com/ -- [Dust Safety Science](https://dustsafetyscience.com) is excited to announce the "Understanding Dust Explosion Hazard Analysis" Online [Training Program](https://dustsafetyscience.com/training-program/), on October 2nd, 2024, at 12:00–16:00 ET

Register Here:

<https://dustsafetyscience.com/training-program/>

□ Half-Day Course

Understanding Dust Explosion Hazard Analysis

Wednesday, October 2nd, 12:00–16:00 ET

Only \$450.00 USD

□ What will we cover?

Here is a draft outline of what we will cover:

□ Part 1: Review of [Combustible Dust](#) Testing

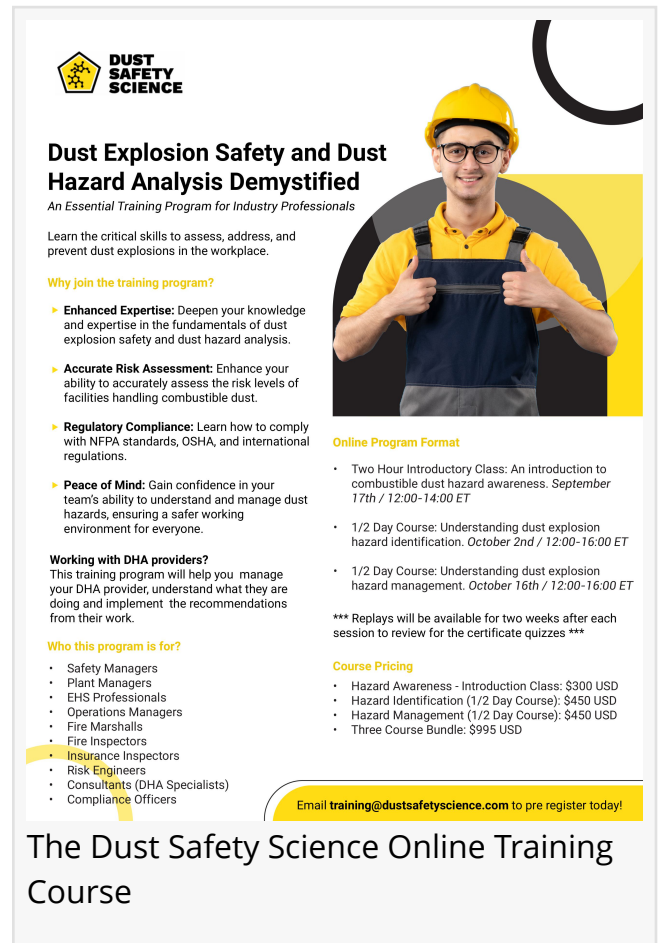
Review from last class

Dust Test Decision Tree

Review Granular & Powdered Sugar Dust Example

Review Polyethylene Dust Example

□ Part 2: Understanding Dust Hazard Analysis



DUST SAFETY SCIENCE

Dust Explosion Safety and Dust Hazard Analysis Demystified

An Essential Training Program for Industry Professionals

Learn the critical skills to assess, address, and prevent dust explosions in the workplace.

Why join the training program?

- ▶ **Enhanced Expertise:** Deepen your knowledge and expertise in the fundamentals of dust explosion safety and dust hazard analysis.
- ▶ **Accurate Risk Assessment:** Enhance your ability to accurately assess the risk levels of facilities handling combustible dust.
- ▶ **Regulatory Compliance:** Learn how to comply with NFPA standards, OSHA, and international regulations.
- ▶ **Peace of Mind:** Gain confidence in your team's ability to understand and manage dust hazards, ensuring a safer working environment for everyone.

Working with DHA providers?
This training program will help you manage your DHA provider, understand what they are doing and implement the recommendations from their work.

Who this program is for?

- Safety Managers
- Plant Managers
- EHS Professionals
- Operations Managers
- Fire Marshalls
- Fire Inspectors
- Insurance Inspectors
- Risk Engineers
- Consultants (DHA Specialists)
- Compliance Officers

Online Program Format

- Two Hour Introductory Class: An introduction to combustible dust hazard awareness. September 17th / 12:00-14:00 ET
- 1/2 Day Course: Understanding dust explosion hazard identification. October 2nd / 12:00-16:00 ET
- 1/2 Day Course: Understanding dust explosion hazard management. October 16th / 12:00-16:00 ET

*** Replays will be available for two weeks after each session to review for the certificate quizzes ***

Course Pricing

- Hazard Awareness - Introduction Class: \$300 USD
- Hazard Identification (1/2 Day Course): \$450 USD
- Hazard Management (1/2 Day Course): \$450 USD
- Three Course Bundle: \$995 USD

Email training@dustsafetyscience.com to pre register today!

The Dust Safety Science Online Training Course

Section 2.1: How to identify hazards?
Differences between processes and building spaces
Checklist approach to hazard identification
Group exercise

Section 2.2: How to define scenarios?
Evaluating causes and consequences
Understanding worst-case scenarios
Group exercise

Section 2.3: How to evaluate safeguards?
Prescriptive versus Risk-Based evaluation
How to use risk matrices to reevaluate safeguards
Group exercise


Section 2.4: How to make recommendations?
Examples of effective and ineffective recommendations
Reporting process - what to look for
Group exercise

□ Part 3: Requested Topics

Section 3.1: Ignition Source Evaluation
How to look out for example ignition sources
Temperature, mechanical, and electrical ignition sources
How to evaluate electrostatic discharge as an ignition source
Case Study Example: Evaluating Ignition Source Hazards


Section 3.2: Fugitive Dust and Building Space Evaluation
Evaluating processes and building compartments
Rules of thumb and guidelines

Meet Your Course Instructors




Michelle Murphy, M.S.
Process Safety Expert and Lead Program Instructor

Michelle Murphy is a seasoned chemical engineer with over 25 years specializing in process safety, risk management and combustible dust safety. She has extensive experience helping companies across various industries—food, chemical, petrochemical, metal, automotive, and pharmaceutical—perform DHAs and implement effective dust explosion prevention strategies. Michelle, who holds a B.S. in Chemistry and an M.S. in Chemical Engineering, is a Center for Process Safety Certified professional, a senior member of the American Institute of Chemical Engineers, and a member of the National Fire Protection Association. Her expertise and insights into combustible dust have been featured in numerous prestigious journals.



Chris Cloney, Ph.D., P.Eng.
Managing Director and Lead Researcher, Dust Safety Science




Dr. Chris Cloney is the Managing Director and Lead Researcher at Dust Safety Science specializing in understanding and educating around combustible dust hazards. With a background in defense industry research on detonation and explosion, Chris earned his PhD for his work on coal dust and hybrid mixture explosions. He is a recognized authority in combustible dust and dust explosion safety, with over 15 peer-reviewed publications and dozens of presentations and training sessions provided on the topic.



Email training@dustsafetyscience.com to learn more

Dust Safety Science "Dust Explosion Safety and Dust Hazard Analysis Demystified" Training Course Instructors

How big is the problem?



Entire facility destruction at Bosley Mill in Congleton, United Kingdom, where a fatal sawdust explosion killed four workers in July 2015 (Photos Courtesy of the Cheshire Fire and Rescue Service).

Combustible Dust Explosion Training

Minimum layer thickness criteria

Examples: Too Much or Too Little Dust?

Case Study Example: Evaluating Fugitive Dust and Building Compartments

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About Dust Safety Science:

Chris Cloney, Ph.D., P.Eng - Managing Director and Lead Researcher, Dust Safety Science
Dr. Chris Cloney is the Managing Director and Lead Researcher at Dust Safety Science specializing in understanding and educating about combustible dust hazards.

Chris Cloney

Dust Safety Science

Chris@dustsafetyscience

Dr. Chris Cloney
Dust Safety Science
Chris@dustsafetyscience

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