

"Training tools for an increasingly complex and dangerous job"



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"Benzene, Toluene & Xylene"

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About aromatic hydrocarbons

Aromatic hydrocarbons, so named for their characteristic strong, sweet odor, are found in nature in volcanoes and wood fires. They are also produced commercially and have many industrial uses, most notably as a solvent for numerous materials and as a fuel additive.

Benzene, toluene and xylene, the most widely used aromatic hydrocarbons, are very useful chemicals, however they are also extremely hazardous. Known to be carcinogenic, some workers exposed long-term to benzene have been known to develop leukemia. These chemicals are also easily ignited, and while burning will produce CO₂ and CO.

Clearly it is essential that workers who handle aromatic hydrocarbons be well trained in their hazard properties and safe handling techniques, and that emergency responders who may respond to an incident involving aromatic hydrocarbons learn safe response tactics.

About the program

"Benzene, Toluene & Xylene," teaches the basic hazard properties of these chemicals as well as safety techniques for handling and emergency response. The program explains the symptoms of human exposure and warns about short and long term health effects. Environmental concerns are also covered, and the film offers some good information for controlling spills of these products in water supplies. Proper protective clothing for workers is discussed as well as safe storage procedures, safety equipment, ventilation, fire protection systems and alarms, controlling sources of ignition, and diking of bulk tanks.

The program includes exciting footage of a true major incident involving aromatic hydrocarbons, and discusses how uncontrolled spills typically occur. It offers methods for identifying hazardous products and tells what types of containers are typically used for storage and transport of benzene, toluene and xylene. The importance of controlling all sources of ignition is stressed, as well as why it might be best to let a fire burn rather than attempting to extinguish. Other topics covered include the benefits of foam versus water for controlling vapors and flames, monitoring for toxic atmospheres, respiratory protection and protective clothing for leaks, spills and fires, controlling runoff, monitoring cleanup operations and decon procedures. (28 minutes)

About the HazChem Series

Each program in the HazChem Series focuses on a different product or group of products. Programs combine footage of actual incidents with action-packed, realistic training sequences. HazChem programs are designed to provide training to persons who are expected to respond to an emergency involving these hazardous materials.

Currently there are eleven HazChem titles:

- Anhydrous Ammonia
- Benzene, Toluene & Xylene
- Chlorine
- Hazardous Waste
- Hydrogen Sulfide
- Inorganic Oxidizers
- Introduction to Hazardous Chemicals
- Pesticides
- Propane, Butane & Propylene
- Sodium Hydroxide & Potassium Hydroxide
- Sulfuric Acid & Hydrochloric Acid

HazChem programs have won numerous awards for both filmmaking excellence and technical content.

About the technical committee

Emergency Film Group programs are created

Prices for "Benzene, Toluene & Xylene"

VHS - \$425

DVD-\$425

Rental - \$150

Preview - \$20

All prices in US currency. Shipping and handling extra unless order is prepaid (US only)

with the assistance of leaders in emergency response training. "Benzene, Toluene & Xylene" was produced with the help of the following authorities:

Mike Callan, director and founder of Fire Training Associates, Senior HazMat Instructor of the Connecticut State Fire School, and author of *Hazardous Materials-Medical Management*. Mike is a Captain in the Wallingford, CT Fire Department.

Leonard Deonarine, Industrial Emergency Services, Inc., which manages hazmat training programs for major industries. Mr. Deonarine is also past chairman of the ISFSI CPC Committee and a member of many professional organizations, including NFPA and NSC.

Mike Hildebrand, hazardous materials consultant with Hildebrand-Noll Associates. Formerly Director of Fire & Safety for the American Petroleum Institute, Mike is the author of numerous articles and texts.

Greg Noll, principal in the hazardous materials consulting firm Hildebrand-Noll Associates and a member of the NFPA Technical Committee on Hazardous Materials Response.

About the filmmakers

Gordon Massingham, director. For over 25 years one of the world's leading creators of emergency response training. Winner of more than 130 national and international awards.

J.B. Lamont, senior editor. J.B. is manager of the Avid non-linear editing suite at EFG. His work has been seen on NBC, ESPN, and many cable outlets.

About the Emergency Film Group

Emergency Film Group, a division of the Detrick Lawrence Corp., distributes quality training videos for emergency response and right to know education. Firmly committed to accuracy, EFG uses the best qualified advisors and production crews to ensure that programs are not only exciting to watch, but are also accurate in every detail.

EFG's worldwide list of customers range from the largest petrochemical companies, to government agencies, to small town fire departments. Every film comes with EFG's 30-day money-back guarantee if the customer is not satisfied. For a free color catalog describing all programs available from the Emergency Film Group, please call the toll-free number below.

Program descriptions available on-line at <http://www.efilmgroup.com>

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