

"Training tools for an increasingly complex and dangerous job"



**EMERGENCY  
FILM GROUP**

*www.efilmgroup.com*

**"Chlorine"**

Copyright 2008, Detrick Lawrence



#### About chlorine

Chlorine, a non-flammable, poisonous gas, is a major industrial chemical. Municipal sewage plants use it regularly to disinfect sewage and to control odor and it is widely used in agriculture.

Chlorine is a dangerous chemical. Although classified as non-flammable, many combustibles will ignite in chlorine, creating toxic by-products. Chlorine vapors, heavier than air, remain close to the ground and expand rapidly, causing a hazardous atmosphere. Recently chlorine has been employed in improvised explosives devices by terrorists in Iraq, causing the Department of Homeland Security to declare chlorine a Chemical of Concern.

Due to the large amount of chlorine in transportation, it is important for response personnel in all cities and towns to be familiar with its hazards and proper response procedures to incidents.

#### About the program

"Chlorine" teaches safety precautions for handling and storing chlorine as well as emergency response procedures for a spill, leak or fire where chlorine is present. The program examines the importance of chlorine's reactivity, and warns of the danger of chlorine container failure when exposed to flames.

The program has extensive footage of the 2005 Graniteville, SC train derailment and chlorine release of 40 tons of gas, which resulted in nine deaths, over 500 injuries, and the displacement of 5,400 residents from their homes for an extended period.

Other topics covered include toxic effects of chlorine; updated placarding and labeling requirements; use of Chlorine Institute A, B, and C kits; Level A and Level B ensembles used for response activities; neutralizing spills; and use of water flog to control vapor releases. It includes DHS threshold quantities for chlorine and an examination of their warnings about a worst case scenario of a large release of chlorine inflicting mass casualties on unprepared civilians.

Accompanying the DVD or VHS is a Resource CD-Rom which includes a fully customizable PowerPoint presentation, a post-seminar quiz, and other instructional aids.

"Chlorine" is the winner of the CINE Golden Eagle award from the Council of International Events. "Chlorine" received a *Mencion Especial (Honorable Mention)* at Videofuego.

#### 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 11 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.

#### Prices for "Chlorine"

(DVD or VHS plus Resource CD-Rom)

**DVD or VHS - \$425**

**Rental - \$150**

**Preview - \$25**

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

#### About the technical committee

Emergency Film Group programs are created with the assistance of leaders in emergency response training. Technical committee members for "Chlorine" include the following authorities:

- **Richard Emery**, principal in Emery & Associates, Inc., Vernon Hills, IL.
- **Mike Hildebrand**, hazardous materials consultant with Hildebrand-Noll Associates. Formerly Director of Fire & Safety for the American Petroleum Institute.
- **Michael Lyden**, Former VP in charge of transportation and storage at the Chlorine Institute, Washington, DC.
- **Greg Noll**, principal in the hazardous materials consulting firm Hildebrand-Noll Associates and a member of the NFPA Technical Committee on Hazardous Materials Response.
- **Glen Rudner**, Regional Hazardous Materials Response Officer for the Northern VA Department of Emergency Management.

#### 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 150 national and international awards.

**J.B. Lamont**, senior editor & sound engineer. 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>

**EMERGENCY FILM GROUP® • 140 Cooke St. • PO Box 1928 • Edgartown, MA 02539**

*www.efilmgroup.com* (800) 842-0999, Fax (508) 627-8863