

"Training tools for an increasingly complex and dangerous job"



"Hydrogen Sulfide"

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About hydrogen sulfide

Characterized by its unique "rotten egg" odor, hydrogen sulfide is encountered in petroleum and other drilling operations, mining, sewers or any other operations that takes workers underground. In addition, about 10 million tons are produced each year in North America for use in manufacturing processes.

H₂S is a poisonous gas which can paralyze the respiratory system, quickly leading to death. It will ignite explosively when exposed to heat, flame or oxidizers. Workers who encounter hydrogen sulfide must be well trained in its hazard characteristics and safe work practices, and emergency responders who may respond to an incident involving H₂S need to be trained in response procedures.

About the program

"Hydrogen Sulfide" tells where hydrogen sulfide is likely to be found and teaches basic safety procedures for working with this hazardous gas. It tells why odor cannot be relied on to detect H₂S, describes symptoms of exposure, and tells about the short- and long-term health effects of contact.

The program discusses safe handling, storage and transportation and covers protective clothing, continuous monitoring, safety alarms, containers, markings, and loading and unloading procedures. It stresses the need for compatible piping systems, as well as the need to continually control all possible ignition sources.

A case study of an actual hydrogen sulfide incident involving over 300 response personnel and lasting 68 days is examined. Typical

reasons for incidents are outlined.

The program teaches the incident commander what he needs to know to decide whether to take aggressive action to control an incident, especially when fire is involved. Other topics covered include evacuation, medical operations for victims, ventilating to reduce vapors, use of water fog, neutralizing water spills, container failure, controlling runoff, cleanup operations & decon. 27 min.

"Hydrogen Sulfide" is the winner of the CINE Golden Eagle award from the Council of International Non-Theatrical Events and was cited by the Festival International du Film & Video d'Enterprise

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 titles in the HazChem Series. They include:

- 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

About the technical committee

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

Chris Herman, emergency response specialist with BP Oil Co's Toledo, OH refinery.

Chris is lead instructor for BP's worldwide fire and emergency training programs and has been a fire service instructor for over 20 years. He is an active member of ISFSI, NFPA and ASSE.

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.

Jerry Grey, author of numerous texts and Vice Chairman of NFPA Technical Committee on HazMat Response Personnel. Jerry is a retired chief with the San Francisco FD and has over 30 years of fire service experience.

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 large 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>

Prices for "Hydrogen Sulfide"

VHS - \$425 DVD-\$425
Rental - \$150 Preview - \$20

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

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