

"Training tools for an increasingly complex and dangerous job"



"Sodium Hydroxide & Potassium Hydroxide"

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About caustics

Caustics are strong alkaline chemicals, corrosive to many materials including human tissue. Sodium hydroxide (NaOH) and potassium hydroxide (KOH) are the two most important caustics used in industry. These caustics have also been used in the illegal manufacture of homemade bottle bombs.

Mishandled, caustics can cause serious harm to the environment, and workers exposed to caustics can experience long-term health problems or even death. It is critical that workers who handle sodium hydroxide or potassium hydroxide, and that response personnel who must respond to an emergency involving one of these chemicals, be well educated in the hazard properties of caustics.

About the program

"Sodium Hydroxide & Potassium Hydroxide" tells where these caustics are found and in what common forms. The program provides basic information on bases and acids, explaining the relevance of pH and how it is measured. It advocates an active program of accident prevention and safety inspection.

This program has updated information about containers and protective clothing used when using caustics or responding to incidents where they are involved. It explains the forms that caustics may take, teaches safe storage and handling procedures, safety precautions, warning signs, and safe loading and unloading techniques. There is new information about cleaning up dry spills and on the use of acetic acid and muriatic acid in neutralization operations.

The program examines flammability and reactivity properties, and discusses symptoms of exposure and medical treatment for victims.

It outlines priorities for the incident commander during incidents involving NaOH or KOH, and tells what the factors affect the decision to mount an offensive or defensive strategy in controlling the incident. Other topics covered include selecting protective clothing and respiratory protection, protecting water supplies from spills, avoiding or containing runoff, using foams or spray fog nozzles to control vapors, using dry chemicals or carbon dioxide to extinguish fires, decontamination procedures, and clean-up. (29 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:

- Introduction to Hazardous Materials
- Anhydrous Ammonia
- Benzene, Toluene & Xylene
- Chlorine
- Hazardous Waste
- Hydrogen Sulfide
- Inorganic Oxidizers
- 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. Among the honors received by HazChem programs are the prestigious CINE Golden Eagle award, the Society for Technical Communication Award of Excellence, the Telly Award, and the Silver Apple Award from the National Education Film and Video Festival.

About the technical committee

Emergency Film Group programs are created with the assistance of leaders in emergency response training. Technical committee mem-

bers for "Sodium Hydroxide & Potassium Hydroxide" include the following authorities:

Chief Jan Dunbar, Sacramento Fire Dept. Prior to retirement, Jan was responsible for developing the hazmat response team program. He has served as Chairman of the California State Fire Marshal's committee to develop a hazmat specialist course and is a member of NFPA & IAFC Technical Committees.

Richard Emery, Emery & Associates, Inc., Vernon Hills, IL. He has 23 years in EMS and is a principle member of the NFPA's Hazardous Materials Response Committee.

Jerry Grey, San Francisco Fire Dept. (ret.), author of numerous texts and Vice Chairman of NFPA Technical Committee on HazMat Response Personnel. He is currently president of HazTech Systems Inc.

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 140 national and international awards.

Jane Christopher, producer and editor. Well known to emergency response audiences for programs, Jane has received several awards for filmmaking excellence.

J.B. Lamont, editor. J.B. manages the non-linear digital editing capabilities for all Emergency Film Group programs.

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 "Sodium Hydroxide & Potassium Hydroxide"

DVD-\$425

Rental - \$150 Preview - \$25

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

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