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CI Emergency Response Training Resources For First Responders

The material listed and linked below is to assist first responders in identifying and accessing available resources that provide emergency response guidance on The Chlorine Institute's (CI's) mission chemicals.[1] These materials are not intended to be a mandatory program. Furthermore, CI does not certify that these resources fulfill first responders' federal or state emergency response training requirements. For technical questions related to these resources, contact CI's Technical Services at techsvc@CL2.com.

General Chlorine Emergency Response Considerations

The following are online resources that provide an awareness level understanding of chlorine properties and emergency response considerations.

- *Chlorine Emergencies: An Overview for First Responders* (up to 2 hours total, including all video tabs and student assessment)
- H-VIDEO) *First Response to Chlorine Exposures* (video - 12 minutes)
- JRCL2-VIDEO) *Jack Rabbit: Chlorine Properties* (video - 28 minutes)
- Chlorine Institute Webinars (videos)
  - Chlorine Chemical & Physical Properties (44 minutes)
  - Chlorine Emergency Response (1 hour 4 minutes)
  - Caustic 101 Emergency Response Webinar (33 minutes)
  - Hydrochloric Acid (HCl) 101 Emergency Response Webinar (27 minutes)
  - Bleach 101 Emergency Response Webinar (38 minutes)
- Wall Chart #10 - "Guidance for First Responders Handling Orphaned Chlorine Container" (free PDF)

Chlorine Institute Emergency Kit Equipment & Instructions

- Instructional Booklets
  - IB/A) *Chlorine Institute Emergency Kit "A" for 100 lb. and 150 lb. Chlorine Cylinders*
  - IB/B) *Chlorine Institute Emergency Kit "B" for Chlorine Ton Containers*
  - IB/C) *Chlorine Institute Emergency Kit "C" for Chlorine Tank Cars and Tank Trucks*
  - IB/RV) *Chlorine Institute Recovery Vessel for 100 lb. and 150 lb. Chlorine Cylinders*

  First responder and water utility organizations may contact CI at cifreebookstore@CL2.com *to request a FREE electronic PDF version.*

- Instructional Videos
  - A-VIDEO) *The Chlorine Institute Emergency Kit "A" and Recovery Vessel Instructional Video* (28 minutes)

[1] CI's mission chemicals include: chlorine, sodium hydroxide, potassium hydroxide, sodium hypochlorite, hydrochloric acid, anhydrous hydrogen chlorine, and vinyl chloride. For more details about CI, visit our website at https://www.chlorineinstitute.org/.

- B-VIDEO) *How to Use the Chlorine Institute Emergency Kit "B" for Chlorine Ton Containers* (30 minutes)
- C-VIDEO) *How to Use the Chlorine Institute Emergency Kit "C" for Chlorine Tank Cars and Tank Trucks* (18 minutes)

- Supplemental Chlorine Emergency Kit Guidance

  In December 2022, CI issued a supplemental resource for the chlorine emergency kits that provides guidance on proper inspection and storage of the kits. This guidance document can be downloaded from CI's website (under CI Information Bulletins, titled "Chlorine Emergency Kit Inspection & Storage Guidance"): https://www.chlorineinstitute.org/emergency-response-resources.

  Since that time, this guidance has been incorporated into the current editions of the Kit "A" and Kit "B" instructions booklets and videos (listed above). In 2026, CI will publish an updated Kit "C" instruction booklet and video, which will have this guidance incorporated. Until that instruction booklet is published, this CHLOREP Bulletin should be used alongside the Kit "C" instruction.

- Additional Known Universal Rail Emergency Kit Suppliers
  - Indian Springs Manufacturing
  - Midland Manufacturing

Detailed Emergency Response Training

If first responders are looking for a more in-depth training experience on CI's mission chemicals, it is recommended they contact a CHLOREP Team in their region and make a request for training. CHLOREP Teams are comprised of technical chemical experts at different chlorine producer and user locations throughout North America. CI's CHLOREP[2] mission is to provide timely, effective, and professional assistance with chlorine emergencies in transportation and at small end-user facilities. This includes providing training to first responders either through CI's scheduled training tour at identified locations[3] or directly upon request. If a first responder department does not know what CHLOREP Teams are in its region, it may contact CI for assistance at info@CL2.com.

TRANSCAER Training Resources

TRANSCAER is a consortium of trade associations and individual companies involved in the transportation of hazardous materials and provides related emergency response training. TRANSCAER manages a hands-on and virtual emergency response training schedule, in which all events are hosted by various TRANSCAER sponsors. TRANSCAER also has numerous additional online resources, including short tutorial videos, access to a new Learning Management System (LMS), and augmented reality scenarios.

[2] More details about CHLOREP can be found at https://www.chlorineinstitute.org/emergency-preparedness/chlorep/.
[3] Updates on CI's hands-on emergency response training can be found on CI's website and social media.

The LMS, in particular, provides an opportunity for first responders to review various online training courses, which cover various hazardous materials and transportation packages, and receive a certificate for each course upon completion. Among this content includes some of CI's chlorine-focused resources listed above (in English and Spanish).

TRANSCAER's hands-on and virtual training schedules and online resources may be found on TRANSCAER's website.

Incident Command Training

Training on the Incident Command System (ICS) and the National Incident Management System (NIMS) can be found on FEMA's website.