



ChemLock: CISA's Voluntary, No-Cost Chemical Security Program



Overview

More than 96% of all manufactured goods depend on chemicals in some way. These chemicals are used, manufactured, stored, and transported across global supply chains, forming the bedrock of industries that touch nearly every aspect of American life—from microchips to food processing. In the wrong hands, many of the chemicals that businesses interact with every day could be used as weapons.

Whether you work for a small business or an international company, everyone who interacts with these types of chemicals has a role to play in understanding the risk and taking collective action to prevent chemicals from being weaponized by terrorists. The Cybersecurity and Infrastructure Security Agency's (CISA) ChemLock program is a completely voluntary program that provides facilities that possess dangerous chemicals with no-cost services and tools to help you better understand the risks you face and improve your chemical security posture in a way that works for your business model.

Chemical Threat and Risk

Facilities with dangerous chemicals have long been attractive targets for terrorists around the world who aspire to conduct sensational attacks that could potentially cause a significant number of deaths and injuries. Threats include physical attacks, theft or diversion of chemicals, cyberattacks, unauthorized drone activity, and malicious activities by facility personnel, among others.

The risk of an unwanted outcome resulting from an incident or event involving dangerous chemicals has three components: the threat of a dangerous chemical being weaponized, the vulnerability of a facility to an attack, and the consequences of an incident if the threat were to occur. Mitigating any of these three components lowers the specific risks that on-site chemicals present.



WHAT IS YOUR ORGANIZATION'S CHEMICAL SECURITY POSTURE?

- ▶ Which of your chemicals pose potential security risks?
- ▶ Does your current security posture make sense for the risks you face?
- ▶ What are the industry best practices to mitigate existing or potential risks?
- ▶ What is your organization's security plan?

Access CISA's Chemical Security Expertise

CISA is a recognized international leader in chemical security with more than a decade of experience assisting facilities in building tailored security plans to prevent terrorist exploitation of their chemicals. From on-site consultations to chemical security resources, the CISA ChemLock program offers scalable, tailored options for facilities looking to enhance their chemical security posture. Sign up to receive any of these services and tools at cisa.gov/chemlock.

On-Site Chemical Security Assessments and Assistance

Using CISA's extensive knowledge of chemical security best practices, chemical security personnel provide on-site assistance and assessments that can help your facility identify the security risks your on-site chemicals present and offer tailored, scalable suggestions for security measures that will best enhance your security posture based on your circumstances. Learn more at cisa.gov/chemlock-assessments.

ChemLock Resources

CISA's ChemLock resources are publicly available guidance documents, templates, fact sheets, and flyers to help you enhance the cyber and physical security surrounding your chemicals. Learn more at cisa.gov/chemlock-resources.

Chemical Security Exercises and Drills

Do you have a plan in place for how to handle a security incident concerning your chemicals? ChemLock can help you test that plan with CISA Tabletop Exercise Packages (CTEPs), drills, and other materials to help your facility conduct exercises tailored specifically for chemical security. The packages are no-cost to download and include the scenario-specific situation manual, planner handbook, facilitator/evaluator handbook, and assorted forms and templates. You can also request CISA expertise in facilitating a live, tailored tabletop exercise. Learn more at cisa.gov/chemlock-exercises. Scenarios include:

- Active shooter
- Drone threat
- Cyberattacks
- Fire as a weapon
- Vehicle ramming
- Theft and diversion
- Insider threat
- Civil unrest

Chemical Security Training

CISA provides live, on-demand training to assist owners, operators, and facility personnel with understanding the threats that chemicals pose and what security measures can be put into place to reduce the risk of dangerous chemicals being weaponized. Learn more at cisa.gov/chemlock-training.

CISA Resources

- ChemLock: cisa.gov/chemlock
- ChemLock: Secure Your Chemicals: cisa.gov/chemlock-security-plan
- Chemical Sector Resources: cisa.gov/chemical-sector
- Cybersecurity Best Practices: cisa.gov/topics/cybersecurity-best-practices
- Active Shooter Preparedness: cisa.gov/active-shooter-preparedness
- Bomb-Making Materials Awareness Program (BMAP): cisa.gov/bmap
- Counter-Improvised Explosive Device (IED) Training Courses: cisa.gov/bombing-prevention-training-courses
- Insider Threat Mitigation: cisa.gov/insider-threat-mitigation
- CISA Stakeholder Exercises: cisa.gov/resources-tools/services/stakeholder-exercises

Note: Participation in any portion of CISA's ChemLock program would not replace any applicable reporting or compliance requirements under CISA's Chemical Facility Anti-Terrorism Standards (CFATS) regulation (6 CFR part 27). For the current status of the CFATS program, please visit cisa.gov/cfats.

ChemLock Services and Tools



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