



CISA ChemLock



DEFEND TODAY,
SECURE TOMORROW

Overview

More than 96% of all manufactured goods depend on chemicals in some way, and these chemicals that are used, manufactured, stored, and transported across global supply chains are the bedrock of industries that touch nearly every aspect of American life—from microchips to food processing. Many of these chemicals that businesses interact with every day are dangerous chemicals that could be used in a terrorist attack.

Whether a small business or an international company, everyone who interacts with these chemicals has a role to play in understanding the risk and taking collective action to prevent chemicals 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 no-cost services and tools to help them better understand the risks they face and improve their chemical security posture in a way that works for their 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 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.

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On-Site Chemical Security Assessments and Assistance

Using CISA's extensive knowledge of chemical security best practices, chemical security personnel can work virtually or on-site to help facilities identify the specific security risks their chemicals present and offer suggestions for which security measures will best enhance their security posture based on their circumstances.

ChemLock Resources

CISA's ChemLock resources are no-cost, publicly available guidance documents, templates, fact sheets, and toolkits to help facilities enhance the cyber and physical security surrounding their chemicals. ChemLock resources can be found at cisa.gov/chemlock.

Chemical Security Exercises and Drills

Do you have a plan in place on how to handle a security scenario concerning your chemicals? CISA's ChemLock exercises can help you test that plan. CISA offers CISA Tabletop Exercise Packages (CTEPs), drills, and general materials to help facilities conduct exercises that are 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. Facilities can also request CISA expertise in facilitating a live tailored tabletop exercise.

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

Chemical Security Training

CISA offers live, on-demand training to assist owners, operators, facility personnel, retailers, and emergency 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. Currently, CISA offers two courses on general chemical security awareness and chemical security planning for facilities.

CISA Security Resources

- ChemLock: cisa.gov/chemlock
- ChemLock: Secure Your Chemicals: cisa.gov/chemlock-security-plan
- Chemical Sector Resources: cisa.gov/chemical-sector-resources
- Cyber Resource Hub: cisa.gov/cyber-resource-hub
- 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 Exercises: cisa.gov/critical-infrastructure-exercises

Note: Participation in any portion of CISA's ChemLock program does not replace any reporting or compliance requirements under CISA's Chemical Facility Anti-Terrorism Standards (CFATS) regulation (6 CFR part 27). Some ChemLock activities may fulfill CFATS requirements, depending on your specific security plan. Contact local CISA Chemical Security personnel or visit cisa.gov/cfats to learn more about CFATS regulatory requirements.



On-site assessments
and assistance



ChemLock resources



Exercises and drills



Training courses

ChemLock Services and Tools