

Industrial Chemical Storage & HAZMAT Inspection Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

SDS (Safety Data Sheet) Management

☐ Are SDSs readily accessible to employees in the work area for all chemicals in use? (Electronic or hard copy)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Do all SDSs contain the required 16 sections as per GHS standards?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Are all SDSs current (not older than 3-5 years, or updated if new information is available)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Are SDSs available in English and any other language understood by employees?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ If SDSs are stored electronically, is the system reliable and accessible during power outages (backup power)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Is there a process in place to obtain SDSs for new chemicals before they are brought on-site?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Is there a documented process for reviewing and updating SDSs periodically?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Do SDSs include emergency contact information for spills, leaks, or other incidents?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Have employees been trained on how to access and interpret SDS information?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Is the location of SDSs clearly posted in the chemical storage area?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Chemical Labeling and Identification

Are all primary chemical containers clearly labeled with the chemical identity, hazard warnings, and manufacturer information?

Are all secondary containers labeled with the chemical identity and appropriate hazard warnings (GHS pictograms)?

Are all labels legible and in good condition (not faded, torn, or obscured)?

Are GHS pictograms present and correct for each hazardous chemical?

Are NFPA hazard ratings (health, flammability, reactivity) displayed for appropriate chemicals?

Are chemicals dated upon receipt to track shelf life and ensure proper disposal?

Do labels on containers match the information provided in the corresponding SDS?

Are old or irrelevant labels removed from containers to avoid confusion?

Are water-reactive chemicals clearly labeled with appropriate warnings?

Are peroxide-forming chemicals labeled with date received and date opened?

Chemical Storage and Compatibility

☐ Are incompatible chemicals segregated to prevent dangerous reactions (acids from bases, oxidizers from flammables)? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are corrosive chemicals stored in designated corrosive cabinets? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are flammable chemicals stored in approved flammable liquid storage cabinets? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are flammable liquid storage cabinets properly grounded? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are shelves in storage areas capable of supporting the weight of the chemicals stored on them? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Is adequate spill containment provided in storage areas (e.g., spill trays, berms)? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Is the chemical storage area adequately ventilated to prevent the buildup of hazardous vapors? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐	Are temperature-sensitive chemicals stored at the appropriate temperature?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are chemicals stored in a manner that prevents tipping or falling (no excessive stacking)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the chemical storage area secured to prevent unauthorized access?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are peroxide-forming chemicals stored away from heat, light, and ignition sources?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Emergency Equipment and Procedures

☐	Is an eyewash station readily accessible within 10 seconds of potential chemical exposure?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a safety shower readily accessible within 10 seconds of potential chemical exposure?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a suitable fire extinguisher readily available and inspected monthly?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a chemical spill kit readily available and stocked with appropriate materials?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a first-aid kit readily available and adequately stocked?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is an emergency contact list posted in a prominent location?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is an evacuation plan posted and understood by employees?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is there a functional alarm system to alert employees in case of a chemical release or fire?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is appropriate personal protective equipment (PPE) readily available and in good condition?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the eyewash station tested weekly to ensure proper function?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the safety shower tested annually to ensure proper function?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Housekeeping and General Conditions

☐	Are aisles and walkways clear of obstructions to allow for safe passage and emergency egress?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Are spills cleaned up immediately to prevent slips, trips, and falls?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are chemical waste containers properly labeled and managed according to hazardous waste regulations?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are chemical containers in good condition (no leaks, rust, or damage)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is there an effective pest control program in place to prevent damage to chemical containers?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the chemical storage area adequately lit to allow for safe handling and inspection?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is there proper drainage in the chemical storage area to prevent the accumulation of liquids?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is appropriate signage posted to indicate the presence of hazardous chemicals and emergency procedures?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are empty chemical containers properly disposed of or cleaned and stored?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is eating, drinking, and smoking prohibited in the chemical storage area?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____