OpsAuditHub opsauditihub.com	DOC ID: **SAF-0355**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.1200 & NFPA 45**	AUDIT FREQUENCY: **Semi-Annual Audit**

School Science Lab Chemical Inventory Audit Safety Audit Checklist

Operational Scope: This audit protocol governs the comprehensive physical verification and documentation of all hazardous chemicals stored in educational science laboratories. The objective is to mitigate exposure, reactivity, and spill risks while ensuring strict adherence to hazardous communication and hazardous waste management standards.

MANDATORY PPE:	Chemical Splash Goggles (ANSI Z87.1), Nitrile or Neoprene Laboratory Gloves, Flame-Resistant Laboratory Coat, Closed-Toe Leather Footwear, Respirator (if required by specific hazard assessment)
PREREQUISITES:	Review current Safety Data Sheet (SDS) library and inventory manifest prior to entering the lab. | Verify functionality of emergency eyewash stations, safety showers, and spill response kits. | Ensure proper ventilation systems (fume hoods) are fully operational.

INVENTORY RECONCILIATION AND DOCUMENTATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Master Inventory List Accuracy**	Physical stock matches the master chemical inventory spreadsheet with zero discrepancies in quantities or locations.	Warning	[ ] PASS [ ] FAIL [ ] N/A
2	**Safety Data Sheet (SDS) Accessibility**	Current SDS documents are immediately accessible to staff and students via digital or physical binders for 100% of stored chemicals.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
3	**Prohibited Chemicals Check**	No banned, unauthorized, or extremely high-hazard chemicals (e.g., picric acid, uninhibited ethers) are present in the facility.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A

STORAGE, SEGREGATION, AND CONTAINER INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Chemical Segregation by Hazard Class**	Incompatible chemicals (e.g., acids segregated from bases, oxidizers from organics) are separated by physical barriers or approved distance.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
5	**Container Condition and Leak Check**	All chemical containers show no signs of corrosion, bulging, crystallization, cracking, or compromised lids/caps.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
6	**Secondary Containment Trays**	Corrosive and liquid chemical storage cabinets utilize clean, crack-free secondary containment trays capable of holding 110% of the largest vessel.	Warning	[ ] PASS [ ] FAIL [ ] N/A
7	**Labeling Compliance (GHS/NFPA)**	Every chemical container displays a legible GHS-compliant label featuring product identifier, hazard pictograms, and precautionary statements.	Warning	[ ] PASS [ ] FAIL [ ] N/A

CABINET SECURITY, VENTILATION, AND WASTE MANAGEMENT

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Flammables Cabinet Integrity**	Flammable storage cabinets are NFPA/OSHA compliant, self-closing mechanisms function properly, and vents are sealed or correctly plumbed.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A
9	**Chemical Storage Security**	All chemical prep rooms and storage cabinets are securely locked when not actively supervised by authorized instructional staff.	Warning	[ ] PASS [ ] FAIL [ ] N/A
10	**Hazardous Waste Accumulation**	Waste collection containers are properly labeled as 'Hazardous Waste', tightly capped when not in use, and within accumulation time limits.	Critical (Immediate Out of Service)	[ ] PASS [ ] FAIL [ ] N/A

Certified Science Safety Auditor / Lab Manager Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
School Principal / District Facilities Director Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

COMPLIANCE NOTICE: This document must be archived for a minimum of 12 months in accordance with workplace safety recordkeeping guidelines.

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