



Accredited Africa Training Institute for Capacity Development

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COURSE BROCHURE

Chemical Safety

Custom Courses / Health, Safety and Environment (HSE)

Unit Standard AATICD-0323 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the essential knowledge and skills to identify, assess, and control chemical hazards in the workplace. It promotes a culture of safety by ensuring compliance with South African regulations and best practices, thereby reducing the risk of chemical-related incidents and protecting both people and the environment.

Category	Custom Courses
Subfield	Health, Safety and Environment (HSE)
Unit Standard	AATICD-0323
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply the principles of chemical safety to identify hazardous substances in the workplace.
- Analyze chemical safety data sheets (SDS) and labels to determine the risks and required controls.
- Evaluate the effectiveness of control measures used to minimize exposure to hazardous chemicals.
- Implement safe handling, storage, and disposal procedures for hazardous chemicals.
- Demonstrate the correct use of personal protective equipment (PPE) and emergency response procedures.
- Design a chemical safety plan that complies with relevant South African legislation and organizational policies.

WHO SHOULD ATTEND

- This course is designed for employees, supervisors, safety officers, and managers who work with or around hazardous chemicals and need to understand and implement safe handling practices.

COURSE OUTLINE

Day 1: Introduction to Chemical Safety

- Overview of chemical safety and its significance
- Types of hazardous chemicals (flammable, corrosive, toxic, etc.)
- South African legislation (OHSA, NEMA, SANS 10234)
- Duties of employers and employees
- Hazard vs risk: definitions and examples
- Introduction to Safety Data Sheets (SDS)

Day 2: Hazard Identification and Risk Assessment

- Hazard identification techniques (checklists, inspections)
- Risk assessment process and documentation
- Understanding SDS sections (e.g., 2, 8, 11)
- Occupational Exposure Limits (OELs) and their significance
- Hierarchy of controls (elimination, substitution, engineering, administrative, PPE)
- Practical examples of risk assessment

Day 3: Chemical Storage and Handling

- Storage requirements for flammable, corrosive, and reactive chemicals
- Handling techniques: manual and mechanical
- Labeling standards (GHS) and warning signs
- Chemical segregation and compatibility groups
- Spill response and containment procedures
- Emergency planning and evacuation

Day 4: Personal Protective Equipment and Exposure Control

- Types of PPE (respirators, gloves, goggles, suits)
- PPE selection based on hazard assessment
- Proper PPE donning, doffing, and care
- Engineering controls (ventilation, enclosures)
- Administrative controls (training, rotation)
- Exposure monitoring and health surveillance programs

Day 5: Emergency Response, Waste Management, and Integration

- Emergency response team roles and actions
- Fire, spill, and first aid procedures
- Chemical waste classification and disposal methods
- Waste minimization and recycling
- Chemical safety management systems (e.g., ISO 45001)
- Incident investigation and root cause analysis
- Developing a chemical safety plan

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,700.00	R 17,700.00
1	In-House	R 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Oct 2026	09 Oct 2026	On-Campus	Kigali, Rwanda
05 Oct 2026	09 Oct 2026	On-Campus	Bangkok, Thailand
05 Oct 2026	09 Oct 2026	On-Campus	Lusaka, Zambia
05 Oct 2026	09 Oct 2026	Online	—
05 Oct 2026	09 Oct 2026	On-Campus	Windhoek, Namibia
05 Oct 2026	09 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	09 Oct 2026	On-Campus	Mbabane, Eswatini
12 Oct 2026	16 Oct 2026	On-Campus	London, UK

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0323) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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