



# HAZCHEM SPILL AND CLEAN UP OF A SPILL

SAQA US: 244073  
SAQA Credits: n/a  
SAIOSH CPD Credits: n/a  
Duration: ½ Day

## Course description

The Hazchem Spill and Clean up a Spill course will assist employees to identify and assess the risk of a potential spill, confine a spill should it happen and evaluate the incident to ensure a correct, safe clean up.

## Course outcome

On completion of this course, candidates will be able to identify and assess the risk of a potential spill, confine a spill should it happen and evaluate the incident to ensure a correct, safe clean up. They will also be able to complete the required documentation in accordance with organisational procedures.

## Course content

### MODULE 1: INTRODUCTION

- 1.1 What are hazardous materials
- 1.2 The 9 classes of hazardous materials
- 1.2 The potential effects of hazardous materials
  - 1.3.1 Effects on the Environment
  - 1.3.2 Effects on Health
  - 1.3.3 Case Study
- 1.4 Other Chronic Health Effects
  - 1.4.1 Can Hazardous Materials cause Cancer?
  - 1.4.2 Mutagens
  - 1.4.3 Teratogens

### MODULE 2: HANDLING, STORAGE, LOADING AND LOADING

- 2.1 Handle chemicals
  - 2.1.1 Protective Measures
  - 2.1.2 Wearing the correct protective clothing when handling chemicals and why
  - 2.1.4 Types of protective equipment
  - 2.1.5 Spill Procedures
- 2.2 Storage of hazardous materials
  - 2.2.1 Storing Incompatible Chemicals
  - 2.2.2 Dangerous Goods Load Compatibility Chart
  - 2.2.3 Personal Protective Clothing
- 2.3 Loading and offloading hazardous goods
  - 2.3.1 Comply with Relevant Legal Documentation
  - 2.3.2 Placarding
  - 2.3.3 Trem cards
  - 2.3.4 Dangerous Goods Declaration
  - 2.3.5 Designated Space
  - 2.3.6 Professional Driving Permit
  - 2.3.7 Hazards during the Loading and Offloading
  - 2.3.8 Responsibilities and Roles in Loading/ Offloading Operations
  - 2.3.9 Loading and Offloading Areas
  - 2.3.10 Outdoor Loading and Offloading of Materials
  - 2.3.11 Apply Safety and Standard Operating Procedures during Loading and Off-loading

### MODULE 3: RECOGNISE AND IDENTIFY THE PRESENCE OF HAZARDOUS MATERIALS

- 3.1 Methods of Identification

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- 3.1.1 Informal Methods
- 3.1.2 Formal Methods
  - 3.1.2.1 Product/Chemical Labelling
  - 3.1.2.2 Material Safety Data Sheets (MSDSs)
  - 3.1.2.3 Emergency Response Guidebook (ERG)
- 3.2 Identification in Transport
  - 3.2.1 The Hazard Warning Placard
  - 3.2.2 The Trem Card (Transport Emergency Card)

**MODULE 4: STANDARD OPERATING PROCEDURES (SOPs)**

- 4.1 Recognise the presence of Hazardous Materials
- 4.2 Identify the Hazards
- 4.3 Ensure that you have the Necessary Personal Protective Equipment (PPE)
- 4.4 Secure the Scene (Establish Site Control)
- 4.5 Call for Assistance

**MODULE 5: EMPLOYERS EMERGENCY RESPONSE PLAN**

**MODULE 6: HANDLING A SPILLAGE SITUATION**

Practical Exercise

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