

# HAZ-CHEM Training Material Content

Intro to Working with Hazardous Chemical Substances

## Part 01 - Info Session Objective

★ The Right to Know ★ Abbreviations ★

## Part 02 - Insights into Chemicals

★ Their Physical Appearance ★ Route of Intake - Entry into The Body ★ Types of Natural Chemicals ★ Types of Synthetic Chemicals ★ Chemicals in our daily lives ★ Solid Chemicals ★ Liquid Chemicals ★ Gaseous Chemicals ★ Incompatible Chemicals ★ Hazards Presented by Chemicals ★ Hazard Classes ★ Hazards to Health ★ Hazards to Safety ★ What Jobs Have Obvious HCS Hazards ★

## Part 03 - Legal Requirements

★ Legal Framework ★ Hazardous Chemical Agents Regulations ★ Employer's Responsibility ★ Employer to conduct the HIRA ★ Employer to conduct Occupational Hygiene Assessments ★ Employee's Responsibility ★ Proof of Compliance - Documents and Records ★ Archives Records and Registers ★

## Part 04 - Biological Monitoring and Medicals

★ Biological Monitoring and Medicals by Qualified Practitioners ★ Refusing Biological Monitoring and Medical Surveillance ★

## Part 05 - Control Measures

★ HCS Lifecycle - Management System ★ MSDS - Material Safety Data Sheets ★ Permit to Work [PTW] ★ Hierarchy of Control ★

## Part 06 – Storage

★ Purpose designed buildings and structures ★ Purpose Designed Containers, Cabinets, Cages and Enclosures ★ Gas Cylinders ★ Incompatibles Agents ★ Use the Correct Container ★ Correct disposal and recycling of HCS containers ★

## Part 07 – Identification

★ Manufacturer's Labels ★ SANS Signs and Symbols ★ GHS Signs and Symbols ★ Re-labelling ★ Colour Coding Pipes and Containers ★

## Part 08 - Safe Work

★ General Handling Practices ★ Process Safety Management [PSM] ★ Transferring / Refueling ★ Decanting ★ Handling and Filling Cylinders ★ Transportation of HCS ★ Disposal of Hazardous Waste ★ HCS Information and Training ★

## Part 09 - PPE and PPC

★ Issue, Use and Maintenance ★ PPE Storage Facilities ★ Contaminated PPE and PPC ★ Respiratory Zones ★

## Part 10 – Emergencies

★ Nature and Types ★ Prepare for a disaster ★ Activating the Plan ★ Spill Kit ★

## Part 11 - First Aid

★ Chemicals in the Eyes ★ Chemical Burns ★ Eye-Wash Fountain and Fast-Reacting Deluge-Shower ★ Inhalation of HCS ★



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### INTRA-SAFE (Pty) Ltd

Reg No 2012/139060/07  
P O Box 520,  
Plumstead,  
Cape Town,  
South Africa, 7801

### Ken Annandale

Managing Director  
C: +27 (0) 82 920 8912 WhatsApp  
E: [ken@show.co.za](mailto:ken@show.co.za)

CSD MAAA0078916

BEE Level 4

2023 Tax Clearance

VAT No 4260297413

Saioosh No 43191779

FP&M SETA # FPM20/PRPACC003

### Penny Jones BA FA (UCT)

Financial Director  
C: +27 (0) 82 920 8170 WhatsApp  
E: [penny@show.co.za](mailto:penny@show.co.za)