

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



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

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