

Environmental method statement: Hazardous Chemical handling and spill response.

Objective:

The objective of the Hazardous Chemical Handling and Spill Response Method Statement is to establish a comprehensive framework for the safe management of hazardous chemicals and effective response to spills. By prioritizing safety, environmental protection, and regulatory compliance, the statement aims to safeguard human health, prevent environmental contamination, and promote a culture of responsibility within the organization.

Purpose:

The purpose of the Hazardous Chemical Handling and Spill Response Method Statement is to create a comprehensive framework for managing hazardous chemicals safely and effectively. By prioritizing safety, environmental protection, and compliance, this statement serves as a vital tool for minimizing risks associated with hazardous chemical handling and ensuring a rapid and effective response to spills.

Scope:

- HCS inventory register
- Storage requirements
- Refuelling of plant and machinery
- Management of HCS disposal
- 5 levels of contamination
- Emergency and spill response

Works, management actions, controls:

1. Inventory of Hazardous Chemical Substances

- Petrol/Diesel
- Oil
- PPC Cement

2. Storage of Hazardous Chemical Substances

- All storage areas will be covered and will meet the requirements as set out under the approved CEMPr and applicable Legislation
- Hazardous Chemical Substances Storage areas will not be located close to the stormwater inlets/outlets.
- Storage units/containers will consist of a 110% spill capacity for all liquids with the required firefighting equipment, signage and Personal protective equipment requirements.
- Cement and mortar will be stored in lockable containers, fitted with trays at the entry and exit points to avoid contamination when handling the cement or mortar in/out of the containers.

3. Disposal of Hazardous Chemical Substances

- Waste manifests/disposal slips and permits for Hazardous waste will be available within the SHEQ office and will be made available upon request by an inspector or ECO. (When applicable)

4. Refuelling of plant and machinery

- Refuelling of plant and machinery on site shall only take place at designated locations, and Drip trays will be used for all refuelling and similar activities. This is to prevent any spillage contaminating the environment
- Major maintenance of any plant of machinery will have to be performed off site.

5. Chemical Spill Response Training:

- **STOP** The Spill at source.
- **ASSESS** The nature, size and Safety hazards of the spill.
- **CONTAIN** By using granules, spill kits, or inert material such as sand, earth, digging trenches etc.
- **COMMUNICATE** All detail to the SHEQ Manager and the Site Manager to determine the Level of incident (e.g. Level 1, 2, 3 ...)
- **DISPOSE** By taking contaminated material to a safe space and depositing in the appropriate container.
- **REPORT** The incident to the managing team of Broodkraal Landgoed.

Conclusion:

By following these environmentally sound procedures, the project will help protect natural resources, reduce pollution, promote safety and comply with environmental regulations.