

Eskom Environmental Manual: ***HERBICIDES***

HERBICIDE KNOWLEDGEBASE

1 INTRODUCTION TO THE USE OF HERBICIDES IN ESKOM.

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2 STORAGE OF HERBICIDES.

2.1 INTRODUCTION

This document addresses the minimum standards for the storage of herbicides at Warehouses and Depots.

This document addresses premises and facilities only and does not concern itself with issues relating to occupancy or operation.

2.2 MANAGEMENT DISCRETION'S

Where there is a deviation from this proposed standard, and some arrangement exists to manage the consequential risk, the acceptability of the control measure should be at the discretion of the site management in conjunction with the safety representatives, and Safety Risk Management staff.

2.3 SITE PLACEMENT

The store for the storage of herbicides must:

- * Store must be locked and controlled by an appointed person
- * be above the highest recorded flood-line
- * be situated away from existing storm water drainage systems
- * be situated so as not to be on the boundary of the property
- * not be in an area where food is stored, handled or processed

- * not stored with flammable substances
- * not be within 100 m of open water (rivers, dams, ponds etc.)
- * not be in the same building containing living quarters
- * be at the lowest point of an building in order that spillage can be contained
- * not stored with other chemicals that can cause a reaction

13.2.4 STRUCTURES

Floor the floor must be even, unbroken, non-porous, screeded concrete, with the seams and wall joints sealed with epoxy resin or silicone.
(Earth, soil, wood, parquet, plastic, carpeting, bore, brick or bitumen floors are **not** acceptable).

Walls All external walls must be closed up to the roof.

Roof Watertight and leak-proof.

Electric's No naked wires. Switch to be on the outside of the store and main switch to be accessible. Flame proof lighting inside store to be used.

Ventilation Adequate ventilation to be provided, e.g. air ducts, louvers, openable windows, air extraction or air exchange devices etc.

Shower and eye-wash facility A place where a person can be washed and/or have eyes cleaned in the event of personal contamination, where applicable.

Fire fighting equipment 2 x 9 kg Dry powder extinguishers for floor areas up to 50 m² and one additional extinguisher for every additional 100 m². These must be strategically placed in case of emergency, preferably outside the store entrance.

Security Solid walls and roof. Windows with steel frames and burglar bars. Doors must be lockable.

First Aid First aid box near store.

2.5 COMPLIANCE

Notwithstanding and in addition to these minimum standards, compliance with all relevant Acts and Codes is compulsory. Machinery and Occupational Safety Act 6 of 1983, Hazardous substances Act 15 of 1973; fertilisers, farm feeds, agricultural remedies and stock remedies Act 36 of 1947.

2.6 HERBICIDE REGISTER

A register shall be kept to record:

- herbicides in storage (type and quantity in stock)
- Data sheets for treatment
- herbicides removed from the store (type, quantity, date area to which herbicides are to be used, operator)
- Personal protective equipment issued
- Operator training