

Summary on IS 9356:1980 (Butachlor Emulsifiable Concentrates)

IS 9356:1980 is an Indian Standard established by the Bureau of Indian Standards (BIS) that specifies the requirements and testing methods for Butachlor Emulsifiable Concentrates. Butachlor is a widely used herbicide in agriculture to control various weeds.

The standard covers the following key aspects:

Requirements:

- **Chemical Composition:** It specifies the minimum active ingredient (Butachlor) content that should be present in the emulsifiable concentrate.
- **Physical Properties:** The standard sets requirements for physical properties like appearance, colour, odour, and specific gravity.
- **Stability:** It ensures the stability of the formulation over time under specific storage conditions.

Methods of Sampling and Test:

- **Sampling:** The standard outlines procedures for collecting representative samples of the emulsifiable concentrate from different batches or production lots.
- **Testing:** It specifies various laboratory tests to assess the quality and performance of the emulsifiable concentrate. These tests include:
 - **Chemical Analysis:** To determine the actual content of Butachlor in the formulation.
 - **Physical Properties:** To evaluate appearance, colour, odour, specific gravity, and other physical characteristics.
 - **Stability:** To assess the stability of the formulation over time under different storage conditions.

By adhering to the requirements of IS 9356:1980, manufacturers and users of Butachlor Emulsifiable Concentrates can ensure the quality, safety, and efficacy of this important agricultural herbicide. This standard plays a crucial role in maintaining quality standards and promoting safe and effective weed control practices in agriculture.