

IS 12751 : 1989 (Amend No. 1) Pesticides - Pendimethalin EC - Specification

IS 12751 : 1989 Specification for Pendimethalin EC standard prescribes the requirements and the methods of sampling and test for pendimethalin EC.

Pendimethalin EC is generally manufactured to contain 30 percent (m/m) of pendimethalin and used as a herbicide

Pendimethalin technical employed in the manufacture of this material shall conform to IS 12685 : 1989.

The material shall be in the form for clear, homogeneous and stable liquid. Sediment and / or suspended matter shall be negligible. On dilution with water, it shall readily form an emulsion, suitable for spray. Standard also prescribe testing requirements of **Cold Test** (no turbidity or separation of solid or oily matter shall occur at 10°C), **Flash Point (Abel)**(shall be above 24.5°C), **Emulsion stability** (shall not exceed 2.0 ml), **Heat Stability**, **Pendimethalin Content** and **Acidity / Alkalinity** (not more than 0.5 percent by mass).

Here are some safety precautions to take when handling Pendimethalin EC:

1. **Read the label:** Always read and follow the directions on the herbicide label.
2. **Wear protective clothing:** Wear gloves, boots, an apron, and other protective clothing.
3. **Wash up:** Change out of your working clothes and shower after handling the product. Wash your protective clothing before wearing it again.
4. **Store safely:** Keep Pendimethalin in a secure, dry, well-ventilated area away from children. Don't contaminate food, water, or feed.
5. **Spray with care:** Use a flat fan or cut nozzle when spraying. Wash the sprayer with clean water before and after spraying.
6. **Use the correct dose:** Use the recommended dose.

Pendimethalin EC poisoning includes:

1. **Skin contact:** Remove contaminated clothing and wash the skin with soap and water.
2. **Eye contact:** Flush the eyes with water for at least five minutes. Seek medical attention if irritation persists.
3. **Ingestion:** Do not induce vomiting or give anything by mouth. Seek medical attention.
4. **Inhalation:** Move the person to fresh air.

In summary IS 12751 assures quality and marking requirements of the product so that it can be used effectively and safely by consumers.