



## **IS 4314: (1995) - THINNER, GENERAL PURPOSE, FOR SYNTHETIC PAINTS AND VARNISHES**

The product mentioned in the **IS 14314: 1995** standard is **general-purpose thinner for synthetic paints and varnishes**. This thinner is formulated for use with **synthetic enamels, primers, undercoats, and varnishes** to adjust the paint's consistency for application via various methods such as brush, spray, or roller. The material is primarily composed of a mixture of **aliphatic and aromatic hydrocarbons** derived from petroleum, along with additives to enhance flow, leveling, odor, and gloss (IS 14314).

Consumers expect **good quality parameters** in thinners, such as:

- **Odor:** It should be free from strong or unpleasant odors.
- **Residue on evaporation:** It should leave no oily or sticky residues.
- **Density:** Consistent density ensures proper dilution and performance of paints.
- **Flash point:** Higher flash points indicate safer handling.
- **Hydrocarbon content:** Higher hydrocarbon content improves effectiveness in thinning paints.

The standard ensures that these consumer expectations are addressed through defined **quality requirements**, such as odor-free material, no residue on evaporation, and specific ranges for **relative density (0.76-0.81)**, **flash point (minimum 30°C)**, and **distillation range**.

Additionally, tests for **water content** and **copper corrosion** ensure that the product does not degrade materials it comes in contact with (IS 14314).

This standard guarantees that the product maintains its quality for at least one year when stored under proper conditions, ensuring longevity and reliability for consumers (IS 14314).