

IS 9850: 2001 Methyl iso-butyl ketone — Specification (*First Revision*)

Methyl iso-butyl ketone is a colourless liquid with a distinctive sweet, ketone-like odour. It is commonly used as a solvent in various industrial applications, including paints, varnishes, and inks, due to its excellent dissolving properties and moderate evaporation rate. It is also utilized in the extraction of certain metals and as a component in rubber and resin formulations.

It is widely employed in manufacturing paints, varnishes, lacquers, and adhesives, as well as in rubber processing and resin formulations, where its moderate evaporation rate and low water solubility are advantageous. While useful, it poses health risks, as prolonged exposure can lead to respiratory and neurological issues. Safety precautions, such as proper ventilation and personal protective equipment, are recommended when handling methyl iso-butyl ketone.

BIS had first published IS 9850 in 1981 and revised in 2001. This standard prescribes the necessary specifications and provides the methods for sampling and testing to ensure quality and consistency in methyl iso-butyl ketone products. The revised standard for methyl iso-butyl ketone (4-methyl-pentane-2-one) specifies requirements for colour, water content, acidity, and alcoholic impurities, with the addition of a purity requirement. The test procedure for determining methyl iso-butyl carbinol, an alcoholic impurity, has been modified in the revision.