

IS 245 : 2020 SPECIFICATION FOR TRICHLOROETHYLENE, TECHNICAL (*fourth revision*)

Trichloroethylene(C_2HCl_3) is a clear, colourless, non-flammable, volatile liquid used as industrial degreasing solvent, dry cleaning agent and solvent in cleaning wipes, adhesives, etc.

This standard was initially published in 1950 and revised in 1962, 1970, 1988 and 2020. This standard prescribes the requirements and test methods for 2 types of trichloroethylene i.e., stabilized for metal degreasing, extraction of oils & fats; and specially stabilized for unusually severe duty degreasing for aluminium, magnesium and their alloys.

The standard specifies requirements related to purity of material like relative density, distillation yield and residue on evaporation, and performance related like alkalinity, free chlorine, stability under reflux, resistance to corrosion and moisture.

The standard mentions that the material shall be stored in cool and well-ventilated area away from sunlight. It also includes the packaging and marking details of Trichloroethylene.