

The Measurement and Estimation of the Upper Flash Points for Methanol and Ethanol

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The flash points are the best known and most widely used flammability property for the evaluation of the flammability hazard of flammable and combustible liquids. The flash point is a primary property used to determine the fire and explosion hazards of a liquid. The regulations for the safe handling, transportation, and storage of such substances are dependent on this classification, and the flash points are therefore of great important in the chemical industry. In this study, the upper flash point were measured to present raw data of the flammable risk assessment for methanol and ethanol by using Setaflash closed-cup apparatus(ASTM D 3278). The upper flash points of methanol and ethanol were 33°C, 33.5°C, respectively. And upper flash point of methanol and ethanol compared with calculated flash points by using 50% stoichiometric coefficient rule.