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(54) Title: PREPARATION OF MELAMIN CYANURATE WITH LOW RESIDUAL MELAMINE

(57) Abstract: Preparation of melamin cyanurate with low residual melamine The present invention relates to a method for a preparation of melamin cyanurate comprising the steps of a) mixing solid melamine and solid cyanuric acid in a molar ratio in the range from 1.0 : 1.0 to 1.0 : 1.2 to produce a reaction mixture; b) continuously adding water to the reaction mixture at a temperature of 80 to 110 °C until a solid content from 72 to 89 wt% is reached to form melamine cyanurate; c) holding the temperature of the melamin cyanurate for at least one hour at 40 to 100 °C; and d) drying the melamine cyanurate. It further relates to a melamin cyanurate obtainable by the method for the preparation of melamin cyanurate, where the melamin cyanurate comprises below 0.1 wt% residual melamine and is free of any additives.



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