

Alkali metal cyanide granulates and a process for their preparation

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Abstract

The invention relates to new alkali metal cyanide granulates based on sodium cyanide or potassium cyanide and a method
10 for their preparation.

Commercially available alkali metal cyanide granulates consist of irregular particles. Disadvantages are in particular the tendencies to form dust and to cake.

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The alkali metal cyanide granulates according to the invention demonstrate virtually no abrasion and a reduced tendency to cake. The granulates are characterised by essentially spherical particles with particle diameters in
20 the range 0.1 to 20 mm, a bulk density of more than 600 g/dm³, an abrasion of less than 1% and a caking index of at most 4.

The granulates can be prepared by fluidised bed spray
25 granulation, by spraying an aqueous solution containing alkali metal cyanide onto alkali metal cyanide nuclei in a fluidised bed and evaporating the water.

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