

Title (en)

Sodium silicate and aluminosilicate cogranulates, process for the preparation thereof and use thereof

Title (de)

Aus Alumosilicaten und Natriumsilicaten bestehende Cogranulate, ein Verfahren zu ihrer Herstellung und ihre Verwendung

Title (fr)

Cogranulés de silicate de sodium et d'aluminosilicates, procédé pour les fabriquer et utilisation de ceux-ci

Publication

EP 0563631 B1 19970730 (DE)

Application

EP 93103728 A 19930309

Priority

DE 4210253 A 19920328

Abstract (en)

[origin: EP0563631A1] Cogranulates which readily disintegrate in water and have a high bulk density consist of aluminosilicates and crystalline sodium silicates having a sheet structure. They contain aluminosilicates of the formula $M2/n.Al3O3.xSiO2.yH2O$, in which M is an alkali metal or alkaline earth metal, n indicates the valency of the cation, x is ≥ 2 and y has a value between 0 and 8. The sodium silicates have an $SiO2/Na2O$ ratio of (from 1.8 to 4.2) : 1. In order to prepare said cogranulates, the pulverulent aluminosilicates and sodium silicates are mixed together and the mixture is fed into a zone in which it is compacted under pressure between two contrarotating rollers to give a solid. After comminution of the solid, the required particle sizes are finally separated from the oversize and undersize. The cogranulates can be used in detergents and cleaning agents.

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IPC 8 full level

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