

Title (en)

ECO-FRIENDLY SURFACE-TREATMENT COMPOSITION FOR THE TREATMENT OF SOLID FERTILIZERS TO PREVENT AGGLUTINATION AND PULVERIZATION, TO RETARD WATER UPTAKE AND AT THE SAME TIME TO ENHANCE THE AVAILABILITY OF NUTRIENTS.

Title (de)

UMWELTFREUNDLICHE OBERFLÄCHENBEHANDLUNGSZUSAMMENSETZUNG ZUR BEHANDLUNG VON FESTEN DÜNGEMITTELN ZUR VERHINDERUNG VON AGGLUTINATION UND PULVERISIERUNG ZUR VERZÖGERUNG DER WASSERAUFNAHME UND GLEICHZEITIGEN VERBESSERUNG DER VERFÜGBARKEIT VON NÄHRSTOFFEN

Title (fr)

COMPOSITION DE TRAITEMENT DE SURFACE ÉCOLOGIQUE POUR LE TRAITEMENT D'ENGRAIS SOLIDES POUR PRÉVENIR L'AGGLUTINATION ET LA PULVÉRISATION, POUR RETARDER L'ABSORPTION D'EAU ET EN MÊME TEMPS POUR AMÉLIORER LA DISPONIBILITÉ DE NUTRIMENTS

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Application

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Abstract (en)

[origin: WO2017175017A1] The invention relates to an eco-friendly surface treatment composition consisting of a mixture adjusted to micro-size in the presence of a fertilizer component comprising positive and negative ions, having hydrophobic and hydrophilic surface centres and comprising an organic matter containing a kerogen, humified portion, and clay mineral, and one or more components typically used for the preparation of nutrient compositions. The composition is a multifunctional additive comprising the mixture of organic and inorganic components of natural origin, which is eco-friendly in itself, or, when combined with further nutrients, makes them eco-friendly, too. On the one part, due to its surfactant properties it has a positive influence as a surfactant on the properties of fertilizers, said properties being equally desirable in terms of handling, storage, distribution and use; on the other part, it enhances the availability of the macro- and micro-nutrients being present in the combination, making thereby possible to save material and energy; thirdly, it is a special nutrient in itself for soil bacteria and plants.

IPC 8 full level

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