

Title (en)
INTERCALATED BLEACH COMPOSITIONS, RELATED METHODS OF MANUFACTURE AND USE

Title (de)
INTERKALIERTE BLEICHMITTELZUSAMMENSETZUNGEN, ZUGEHÖRIGE VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG

Title (fr)
COMPOSITIONS DE PRODUIT DE BLANCHIMENT INTERCALÉ ET PROCÉDÉS DE FABRICATION ET D'UTILISATION S'Y RAPPORTANT

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Application
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Abstract (en)
[origin: WO2015053772A1] The invention relates to compositions, methods of use, and methods of manufacture for an intercalated bleach compound and compositions thereof. The intercalated bleach compound has the formula $M_x(OCI)_y(O)_m(OH)_n$ where M is an alkaline earth metal such as magnesium, calcium or mixture thereof. The values of x and y independently equal any number greater than or equal to 1 (e.g., 1, 2, 3, 4, etc.), and m and n independently equal any number greater than or equal to 0 (e.g., 0, 1, 2, 3, 4, etc.), but m and n are not both 0. In addition, the molar ratio of the alkaline earth metal (e.g., magnesium or calcium) to hypochlorite is at least 3: 1. In other words, x is $\geq 3y$. The compounds exhibit excellent stability, little or no chlorine bleach odor, exhibit excellent pH buffering characteristics, and less reactivity with organic materials as compared to alternative chlorine bleach products.

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