

Title (en)  
METHOD FOR PRODUCING PHOSPHORYL OR THIOPHOSPHORYL TRIAMIDE, AND USE OF COMPOUND IN NITROGEN FERTILIZER FORMULATIONS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON PHOSPHORYL ODER THIOPHOSPHORYL TRIAMID UND VERWENDUNG EINER VERBINDUNG IN STICKSTOFFDÜNGEMITTELFORMULIERUNGEN

Title (fr)  
PROCEDE DE FABRICATION DE TRIAMIDE DE PHOSPHORYLE OU DE THIOPHOSPHORYLE, ET UTILISATION DE COMPOSE DANS DES FORMULATIONS D'ENGRAIS AZOTIQUES

Publication  
**EP 4330263 A1 20240306 (FR)**

Application  
**EP 22720512 A 20220427**

Priority  
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Abstract (en)  
[origin: CA3214284A1] Disclosed is a method for producing phosphoryl triamide OP(NH<sub>2</sub>)<sub>3</sub> or thiophosphoryl triamide SP(NH<sub>2</sub>)<sub>3</sub>, wherein a) phosphoryl trichloride OPCl<sub>3</sub> or thiophosphoryl trichloride SPCl<sub>3</sub>, respectively, is reacted with gaseous ammonia in an apolar liquid phase to give a first precipitate comprising, respectively, phosphoryl triamide or thiophosphoryl triamide, and ammonium chloride, b) said first precipitate is treated with sodium carbonate or potassium carbonate, preferably with sodium carbonate, in a polar organic liquid phase, to give a second precipitate comprising NaCl and the remaining phosphoryl triamide or thiophosphoryl triamide in said polar organic liquid phase, and said second precipitate is separated from said polar organic liquid phase, said phase optionally being further subjected to a concentration step to enrich it in phosphoryl triamide or thiophosphoryl triamide.

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