

Title (en)

INDUSTRIAL PROCESS FOR PREPARING ENVIRONMENTALLY SAFE TRICYCLAZOLE

Title (de)

INDUSTRIELLES VERFAHREN ZUR HERSTELLUNG VON UMWELTUNGEFÄHRLICHEM TRICYCLAZOL

Title (fr)

PROCEDE INDUSTRIEL DE PREPARATION DE TRICYCLAZOLE SANS DANGER POUR L'ENVIRONNEMENT

Publication

EP 1618115 A4 20070228 (EN)

Application

EP 03723042 A 20030107

Priority

IN 0300005 W 20030107

Abstract (en)

[origin: WO2004060897A1] An improved efficient environmentally safe process for the production of Tricyclazole useful fungicide for rice blast in aqueous slurry form, which involves reacting Hydrazino intermediate (2) obtained from amino compound (1) with formic acid in the presence of p- Toluene sulphonic acid catalyst in two step reaction is discussed. In reaction step (a) 2- Hydrazine -4- methyl benzothiazole (2) is prepared by reacting Amino compound (1) with 80 % Hydrazine Hydrate in the presence of MEG and Hydrochloric acid at 100- 120 ° C. In step (b) the condensation process with 85-98 % formic acid is carried in the presence of acid promotor catalyst at 100- 140° C. The final product is isolated in aqueous slurry form by dumping solvent free molton stirrable mass in precooled water.

IPC 8 full level

C07D 513/04 (2006.01)

CPC (source: EP)

C07D 513/04 (2013.01)

Citation (search report)

- [X] GB 2027700 A 19800227 - LILLY CO ELI
- [A] EP 0213814 A2 19870311 - LILLY CO ELI [US], et al
- See references of WO 2004060897A1

Designated contracting state (EPC)

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