

Title (en)

REDUCTION OF BENZYL ALCOHOL EMISSIONS FROM EPOXY AMINE FORMULATIONS BY ADDING CYCLODEXTRIN

Title (de)

REDUKTION DER BENZYLALKOHOLEMISSIONEN VON EPOXYAMINFORMULIERUNGEN DURCH ZUGABE VON CYCLODEXTRIN

Title (fr)

RÉDUCTION DES ÉMISSIONS D'ALCOOL BENZYLIQUE DE FORMULATIONS D'ÉPOXYAMINES PAR L'AJOUT DE CYCLODEXTRINE

Publication

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Application

EP 14700079 A 20140107

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- EP 2014050114 W 20140107
- EP 14700079 A 20140107

Abstract (en)

[origin: WO2014108380A1] The present invention relates to reactive resin compositions comprising at least one polymerisable system, at least one volatile organic compound, cyclodextrin, and where necessary at least one hardening agent, which are obtainable by mixing the polymerisable system with the volatile organic compound and the cyclodextrin and storing the mixture for a period until an equilibrium is established between the volatile organic compound and the cyclodextrin. By adding cyclodextrin it is possible to reduce the VOC emissions of corresponding reactive resin compositions significantly, the observed effect being greater than would be expected on the basis of the molar ratio of the volatile organic compound to the cyclodextrin. The reactive resin composition can thus be used advantageously in applications such as coatings and/or sealants, in which the evaporation of organic compounds should be avoided.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014108380A1

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