

Title (en)  
POLYOL ACID NEUTRALIZATION FOR LOW TEMPERATURE URETDIONE CURING

Title (de)  
POLYOLSÄURENEUTRALISIERUNG ZUR URETDIONHÄRTUNG BEI NIEDRIGER TEMPERATUR

Title (fr)  
NEUTRALISATION D'ACIDE POLYOL POUR DURCISSEMENT D'URÉTDIONE À BASSE TEMPÉRATURE

Publication  
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Application  
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- US 201815933470 A 20180323
- US 201815933475 A 20180323
- US 201815933487 A 20180323
- US 201815933495 A 20180323
- US 201815933500 A 20180323
- US 201815933507 A 20180323
- US 201815933511 A 20180323
- US 201815933527 A 20180323
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Abstract (en)  
[origin: WO2019183308A1] The present invention provides a reaction mixture comprising a hot blend of a first isocyanate-base uretdione resin and a second isocyanate-base uretdione resin, a neutralized polyol and a tertiary amine catalyst, and optionally, an additive package selected from the group consisting of flow control additives, pigments (colorants), wetting agents, and solvents, wherein the first isocyanate and the second isocyanate are different. The isocyanate-based uretdiones that have been hot blended together produce coatings, adhesives, castings, composites, and sealants, which exhibit better performance properties (such as microhardness) than those coatings, adhesives, castings, composites, and sealants produced from the constituent isocyanate-based uretdiones alone.

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