

# United States Patent [19]

Daoud

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[54] **HYDROPHILIC POLYURETHANE  
EMULSIONS AND MATERIALS PRODUCED  
THEREFROM**

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[57] **ABSTRACT**

Solvent-free water-based emulsions of hydrophilic polyurethane polymers, their preparation and solvent-free coatings produced from the emulsions are described. Also described are compositions produced by subjecting a homogeneous blend of a curable polymer precursor such as rubber latex and the polyurethane emulsion to curing conditions. Moisture permeable membranes, water swellable sealants, extruded shapes and active agent media are produced from the composition.

**31 Claims, No Drawings**