



CATI

Center for Advanced Technology and Innovation

Stable solid unit-dose delivery system for biologically active compounds

Description: Researchers at International Specialty Products, a global chemical company located in Wayne, NJ have developed a co-precipitated binder composition used for the compression of pharmaceutical and agriculturally active components to provide a non-friable, readily soluble or dispersible tablet.

Patent:

1. **US Patent No. 5,684,121**, Issued 11/04/97, "N-vinyl lactam polymer containing tablets of low friability and high rate of dissolution"
2. **US Patent No. 5,734,006**, Issued 03/31/98, "N-vinyl lactam polymer containing tablets of low friability and high rate of dissolution"

Market Potential: This is a novel, non-friable, fast dissolving solid dosage form which could be used to make pharmaceutical, agricultural, or consumer products, including drug delivery systems, lawn and garden treatments, a wide range of specialty chemical formulations (laundry, toilet, etc), or any product where an active ingredient must be precisely delivered in a premeasured dosage which can be quickly dissolved in water.

Benefits:

- Solid, stable dosage form
- Fast breakup in water

Applications:

- Agricultural Market
- Pharmaceutical Market
- Consumer specialty chemical products

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