

# Opadry® II

High Performance Film Coating System

## Reconstitution

Opadry® II, high performance film coating system, is quick and easy to prepare. Simply add Opadry II film coating system powder to water and mix for 45 minutes with a propeller stirrer.\*

The coating suspension can be made with up to 20% solids. Your Area Technical Manager can recommend the ideal solids for your specific Opadry II system and your equipment.

## Materials

- Opadry II film coating system.
- Water, deionized or distilled preferred, ambient temperature (maximum 30 °C).

## Equipment

- Variable-speed mixer capable of producing and maintaining a vortex.
- Propeller stirrer. For optimum mixing, utilize a propeller with a diameter equivalent to  $1/3 - 1/2$  of the diameter of the mixing vessel. (Figure 1)
- Mixing vessel large enough to contain a liquid volume 15% to 25% greater than the total suspension being prepared. The liquid height and vessel diameter should be equal.

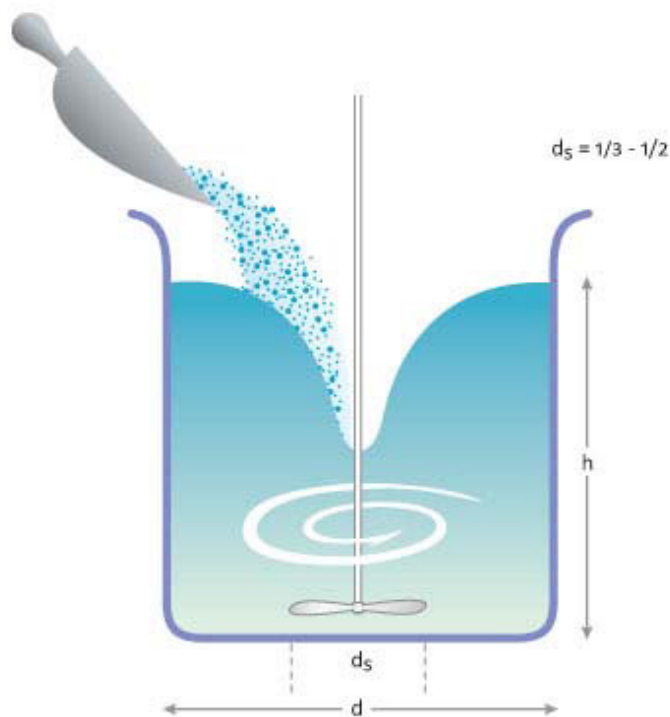
## \*Mixing Procedure

1. Weigh necessary quantity of Opadry II film coating system.
2. Weigh necessary quantity of water into the mixing vessel.
3. With the propeller in the center and as close to the bottom of the vessel as possible, stir the water to form a vortex without drawing air into the liquid.
4. Steadily add the Opadry II powder to the vortex, avoiding powder flotation on the liquid surface. If required, increase the stirrer speed in order to maintain the vortex.
5. After all the Opadry II powder has been added, reduce the mixer speed to nearly eliminate the vortex. Mix for 45 minutes.

## Suspension Handling

The prepared Opadry II dispersion can be pumped directly from the preparation vessel if desired. We recommend that the Opadry II dispersion be gently agitated during the coating process.

Figure 1



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