

## Reconstitution

Opadry<sup>®</sup>fx<sup>™</sup>, special effects film coating systems, are quick and easy to prepare. Simply add the film coating powder to water and mix for 45 minutes with a propeller stirrer.\*

The coating suspension can be made with up to 7.5% solids. Your Area Technical Manager can recommend the ideal solids for your specific Opadry fx system and your equipment.

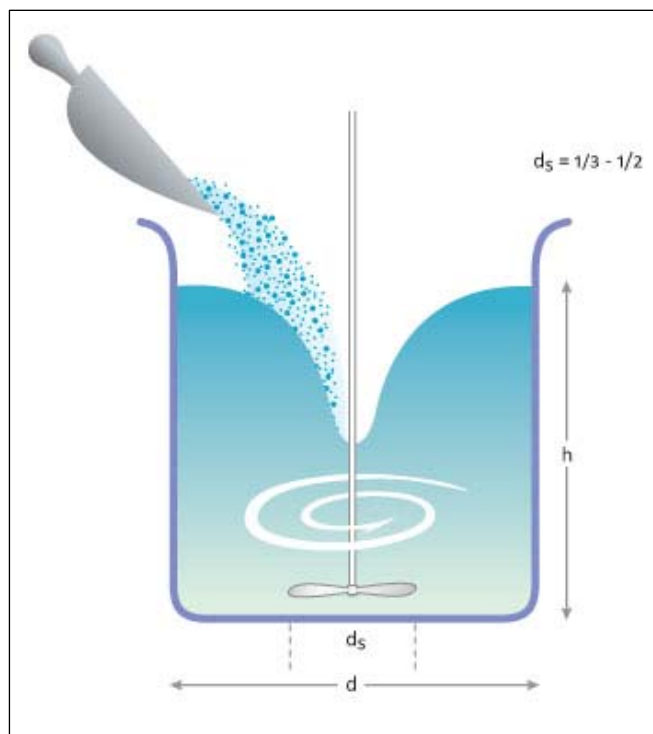
## MATERIALS

- Opadry fx 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 1/4 - 1/3 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.

Figure 1



## \*MIXING PROCEDURE

1. Weigh necessary quantity of Opadry fx powder.
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 fx powder to the vortex, avoiding powder flotation on the liquid surface.
5. After all the powder has been added, reduce the mixer speed to just eliminate the vortex. Mix for 30-45 minutes.

## SUSPENSION HANDLING

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

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