

Reconstitution

Opadry® NS, complete film coating system for nutritional supplements, is quick and easy to prepare. Simply add the pre-formulated powder to water and mix for 45 minutes with a propeller stirrer.* The coating suspension can be made with 10% w/w solids in water for clear formulations or 15% w/w solids for pigmented systems.

MATERIALS

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

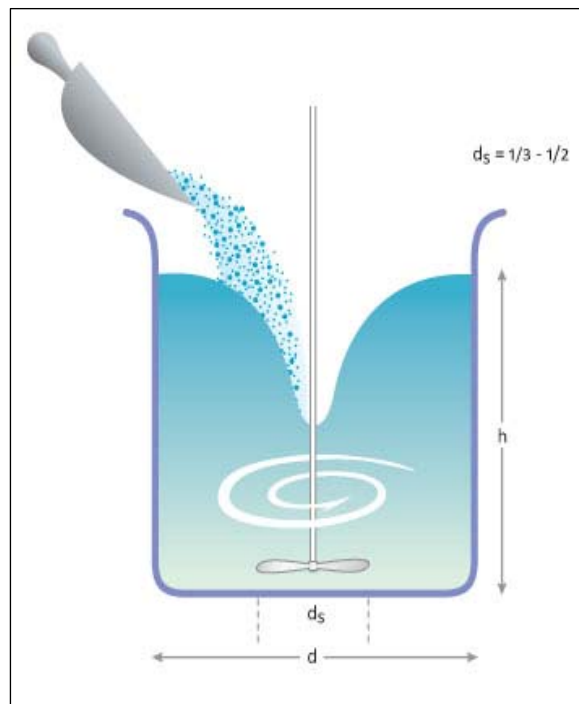
EQUIPMENT

- Variable-speed mixer capable of producing and maintaining a vortex.
- Propeller stirrer. For optimum mixing, utilize a propeller with a diameter equivalent to approximately 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.

*MIXING PROCEDURE

1. Weigh necessary quantity of Opadry NS complete 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 NS 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 NS powder has been added, reduce the mixer speed to nearly eliminate the vortex and continue mixing for 45 minutes.

Figure 1



SUSPENSION HANDLING

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

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