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## **Formvar 15 / 95 Powder**

### **Instructions for use**

**Catalog Number: 10835**

Formvar powder is dissolved in ethylene dichloride to make a Formvar solution. Formvar solutions are used to make a thin plastic film for specimen substrates in the electron microscope.

All work, weighing, mixing, filtering, etc., must be performed in a dry dust free area.

Weigh the desired quantity of Formvar powder and add to reagent grade, water-free ethylene dichloride. (Ladd Catalog Number – 10830)

For example, if you want a 0.5% solution, add 0.5 grams of Formvar powder to a 100 ml volumetric flask and dissolve it in about 75 ml of ethylene dichloride. When solution is complete, add ethylene dichloride to bring the volume up to 100 ml, mix well and filter. Since the Formvar powder does not dissolve easily in ethylene dichloride, it may be necessary to shake the mixture for at least a day to bring it into solution.

Thin solutions of up to 1% Formvar must be filtered with Millipore filters in the 0.22 $\mu$ m to 0.45 $\mu$ m range. Thicker solutions should be filtered with grade #1 Whatman filter paper.

To improve the quality of the Formvar solution, allow it to stand for three days before using it.

The filtered solution is now ready for use.