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## TECHNICAL DATA SHEET 385

Page 1 of 1

# Poly Cut-Ease

## Anti-Friction Additive, For Improved Section Quality and Knife Edge Preservation

### INTRODUCTION:

The addition of 1% Poly Cut-Ease to your epoxy embedding recipe will enable many "stress" free sections to be cut from a single area of a glass knife. Poly Cut-Ease will also preserve the life of your diamond knife edge for many more uses as it markedly reduces friction of the knife as it cuts through the plastic.

This additive will not change the block color of EM image quality. Developed by Dr. Hilton H. Mollenhauer of USDA at College Station, Texas, Poly Cut-Ease can be used in resins such as Poly/Bed<sup>®</sup>, Spurr, Araldite and others.

### INSTRUCTIONS:

Poly Cut-Ease is added to the plastic embedding resin formula at 1% to 2% ratio of final volume. Mix well into the liquid resin before using in infiltration and embedding at room temperature.

Poly Cut-Ease is a resin modifier which will provide polymerized plastic resins that section easily with glass knives. This additive is also effective in increasing the life of a diamond knife edge. Poly Cut-Ease does not contain silicones.

Poly Cut-Ease will not change the color of the resin block. *This product must be mixed well before its addition to the plastic resin formula.* Store at room temperature.

### PRECAUTIONS:

The exact physical, chemical, and toxicological properties of Poly Cut-Ease are not known. Avoid contact with eyes, skin, and respiratory system. Wear protective goggles and gloves. Use with adequate ventilation. In case of contact with eyes or skin, wash the affected area with plenty of water for at least 15 minutes. For eyes, get medical attention immediately. Wash with water and soap after handling.

### ORDERING INFORMATION:

Cat. #	Description	Size
18615	Poly Cut-Ease	100mL

### REFERENCE:

Mollenhauer, H.H., J. of EM Techniques, 3, 217 (1986).

### TO ORDER

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