



# MapleSolutions

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## **TECHNICAL BULLETIN**

### **STATEMENT OF USE**

**MA-SIL DPN** is a functional cationic silicone polymer that reacts during drying to give a durable silicone finish on fibers and fabrics. In addition to the slick drape hand, **MA-SIL DPN** will give additional bulk and elasticity properties to fabric.

### **TYPICAL PROPERTIES**

Appearance	Translucent Bluish liquid
pH (5%))	4.0 - 5.0
Density	8.34 lbs/gal
Ionic Nature	Cationic

### **ADVANTAGES**

- Provides a full, soft hand with excellent drape and body.
- Provides excellent hand on open-end yarns.
- Low yellowing; little to no effect on shades.
- Excellent compatibility with many conventional finish bath auxiliaries.
- Compatible with nonionic and other cationic auxiliaries
- Improves physical properties of fabrics including wrinkle recovery, tear and strength.

### **APPLICATION**

**Dilution:** **MA-SIL DPN** is easily diluted at all concentration. Dilution water temperature should not exceed 100F.

#### **Pad:**

Typical bath concentrations of 2.0% - 4.0% owb **MA-SIL DPN** (wet on dry fabric) are recommended for delivery of luxurious hand and excellent whiteness/low-yellowing performance. Wet on wet application will require adjustment to give equal performance of wet on dry fabric. Normal drying temperatures are sufficient for curing to produce a durable silicone finish.

### **STORAGE AND HANDLING**

Normal precautions taken with all chemical auxiliaries should be used. **MA-SIL DPN** will freeze if exposed to temperatures below 30F. If this condition occurs, allow drum to warm and stir before use.

### **PACKAGING**

Available in returnable drums and totes.

### **PHYSIOLOGICAL DATA**

For Industrial Use Only: The usual precautions in keeping chemicals from the eyes and skin and avoiding ingestion and prolonged inhalation of vapors should be observed.

While every care has been taken to ensure the accuracy of the information contained in this publication, no warranty or liability will be accepted as the conditions of usage are beyond our control. Product specifications can be provided upon request. Our Technical Sales Department is available to assist customers in preparing formulae and procedures to suit their specific requirements. Production trials are recommended to determine effectiveness. Process information submitted by our customers will be treated in confidence.