

TECHNICAL BULLETIN

STATEMENT OF USE

Ma-Lube PE/PK is a new generation specialty lubricant and trimer masking agent specifically designed to be exhaust applied in package machines. **Ma-Lube PE/PK** contains an uniquely engineered emulsification system that gradually loses surface activity during the exhaustion process. As a result **Ma-Lube PE/PK** is exhausted onto the yarn without leaving emulsifier residue that can cause problems with colorfastness to dyed yarns, such as polyester or PTT dyed with disperse dyes **Ma-Lube PE/PK** is a patented product .

TYPICAL PROPERTIES

Chemical Composition	Mixture of selected mineral oils and specialty nonionic emulsifiers
Appearance	Clear liquid
Viscosity, cSt (40°C)	21.3
Viscosity, SUS (100°F)	111.6
Color, APHA	< 100
pH (5% in water)	6.5
Ionic Nature	Nonionic
Flash point, ° F (COC)	> 400
Boiling point, ° F	> 400

ADVANTAGES

- Will not contribute to disperse dye bleeding. The product is especially suited for yarns for narrow tapes and labels.
- Produces a soft, slick handle
- Gives excellent winding properties to all synthetic textile fibers
- Covers trimer
- Will not contribute to yellowing
- Can be used as a direct ship lubricant for knitting yarns



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APPLICATION

Ma-Lube PE/PK is recommended at a concentration of 2.0 – 3.0% o.w.g. and should be applied with the following procedure after all dyeing and cleaning operations have been completed:

1. Fill the machine at 80 – 100° F.
2. Add 2.0 – 3.0% o.w.g. of **Ma-Lube PE/PK**
3. Circulate through one complete inside-outside, outside-inside cycle
4. Add 0.25 gram/Liter of acetic acid (56%) for a target pH of 4.0 – 5.0 with 5.0 being the absolute maximum pH.
5. Raise the temperature at 2 – 3° F/minute to 120° F.
6. Hold 20 minutes.
7. Drain and unload.

The amount of acetic acid, temperature and time may all be adjusted as necessary, to optimize exhaustion and leveling.

STORAGE LIFE

Six months minimum if kept sealed and dry

PACKAGING

Available in returnable drums.

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.