

# SILPAK, Inc

470 E. BONITA AVE. POMONA, CA 91767  
PH (909) 625-0056 [WWW.SILPAK.COM](http://WWW.SILPAK.COM) FX (909) 625-0082

## Appliance/Prosthetic Adhesive

### MA - 200

#### Product Data Sheet

**MA-200** Pressure Sensitive silicone Adhesive (PSA) in Pentafluoropropane is a single component designed to offset Dow Corning 355 Medical Adhesive for medical bonding applications such as non-permanent bonding of appliances to metal, glass, fabric, silicone and organic rubbers and dry body surfaces. It contains a HCFC non-flammable solvent and is supplied as an 18% silicone adhesive solution that evaporates quickly. For thinning **Pentafluoropropane** is available.

**Available Sizes:** 4oz & Pint (1lb), Gallon

#### Instructions for Use

PSA is ready to use and can be applied by brushing, spraying, dipping or pouring. A thin layer, 1-10 mils, is usually sufficient to achieve good bond. For best results, apply PSA to both substrates, allow to air dry a few minutes, and then press the two-coated surfaces together. When required, the solution can be diluted with solvents. A preferred low toxicity solvent is Pentafluoropropane. Due to environmental friendliness, low toxicity, irritation and sensitization properties, hexamethyldisiloxane is suggested to remove the dry PSA from skin. The dry PSA can also be removed by scrubbing with isopropyl alcohol. Commercially available adhesive removers may also be useful. Apply solvent liberally to dry PSA and wipe off with gauze or cloth.

#### Toxicological Information

This material was designed to pass USP Class VI. A sample from each lot manufactured is subjected to an MEM Tissue Culture Cytotoxicity test. Additional testing is available on request. This product is manufactured under GMP guidelines CFR 21 Part 820. Users must carefully review literature for uses where adverse effects are reported for certain applications of silicone in medical devices. The user of this material must independently determine that any product incorporating this material is safe and effective.

#### Biocompatibility

PSA in Pentafluoropropane is based on polydimethyl siloxane compounds known for low toxicity and low skin irritation properties. A sample of the material has been tested for primary skin irritation and was found to be non-irritating.

#### TYPICAL PROPERTIES:

<u>Property</u>	<u>Value</u>	<u>Method</u>
Solids Content	18%	5g, 15C-10 minutes
Appearance	Clear-Straw Liquid	Visual
Viscosity	75cps	Brookfield Viscometer
Flash Point	None	Closed Cup

\*\*Values listed are typical and not intended for use in specifications. Test methods are available on request.

#### Safety Precautions:

PSA in pentafluoropropane is a nonflammable, low boiling liquid and should be stored and shipped according to current regulations. Carefully read MSDS. Avoid breathing concentrated vapors and use with adequate ventilation.

#### Storage and Shelf Life:

This material should be stored under cool and dry conditions. Unused containers should be tightly closed to prevent evaporation. Silpak, Inc. warrants that this product shall meet applicable specifications and descriptions for a period of one year from the date of manufacture when stored in the original sealed container below 86F/30C. Read MSDS for flammability precautions.

SILPAK INC. WARRANTS THAT THIS PRODUCT MEETS APPLICABLE DESCRIPTIONS AND SPECIFICATIONS. NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE INTENDED. SILPAK'S SOLE LIABILITY IS LIMITED TO REFUND OF PURCHASE PRICE, OR REPLACEMENT, OF GOODS DETERMINED TO BE OTHERWISE AS WARRANTED. ANY SUGGESTION OF USE BY SILPAK SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT. THE USER OF THIS PRODUCT MUST INDEPENDENTLY DETERMINE THAT ANY PROCESS IN WHICH THIS PRODUCT IS USED IS CAPABLE OF PRODUCING A SAFE AND EFFECTIVE PRODUCT. THE USER MUST THOROUGHLY TEST ANY APPLICATION CONSISTENT WITH INDUSTRY REQUIREMENTS AND/OR STANDARDS.