

# Silbione® PSA in HCFC

October 2017

## Pressure Sensitive Adhesive

**Description** **PSA in HCFC** is a single component silicone adhesive designed for medical applications where a non-permanent bonding of appliances to dry surfaces is needed. It contains an environmentally friendly HCFC, dichloropentafluoropropane, a non-flammable solvent which evaporates quickly leaving a thin film with effective bonding results. **PSA in HCFC** is a viable substitute for Dow Corning 355 Medical Adhesive.

**Applications**

- Non-permanent bonding of appliances to:
- Metal
- Glass
- Fabric
- Silicone or organic rubbers
- Dry body surfaces

**Advantages**

- Non-flammable
- Low toxicity
- Excellent reversible adhesion to many surfaces
- Low skin sensitivity
- Quick evaporation

### Typical Properties

<u>Typical Properties as Supplied</u>	<u>Value</u>
• Appearance	Clear to straw liquid
• Solids%, 5gm, 150°C, 10 minutes	18
• Flash Point Closed Cup	none
• Viscosity, cps, Brookfield	75

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of **Silbione®** silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

### Instructions for use

**PSA in HCFC** is ready to use and can be applied by brushing, spraying, dipping or pouring. A thin layer of 1 to 10 mils is usually sufficient to achieve an effective bond. For best results, apply **PSA in HCFC** to both substrates, allow it to air dry for a few minutes, and then press the two coated surfaces together. When required, the product can be diluted with aliphatic, aromatic or chlorinated solvents. Please note that solvent addition may irritate skin upon application. Preferred low toxicity solvents to use are hexanethyldisiloxane or dichlororopentafluoropropane. Hexamethyldisiloxane or cyclomethicone can be used to remove dried **PSA in HCFC** from skin, as can scrubbing with isopropyl alcohol, naphtha, toluene or xylene. Apply solvent liberally to dried **PSA in HCFC** and wipe off with gauze or cloth.





### Lot testing

Each production lot is certified as having passed cytotoxicity and physical properties. Additional testing is available upon request.

## Silbione® PSA in HCFC

<b>Storage and shelf life</b>	PSA in HCFC when stored in its original unopened packaging, at a temperature of 30°C, may be stored for 6 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
<b>Safety</b>	Please read the container labels for <b>PSA in HCFC</b> or consult the Safety Data Sheet (SDS) before handling for safe use, physical and health hazard information. The SDS is not included with the product packaging, but can be obtained by contacting Elkem Silicones at 866474-6342 or consult your Elkem Silicones representative.
<b>Packaging</b>	For packaging of <b>PSA in HCFC</b> , please consult with our team.

Silbione® is a registered Trademark of **Elkem SILICONES**

 EUROPE	 NORTH AMERICA	 LATIN AMERICA	 ASIA PACIFIC
<p><i>Elkem Silicones France</i>            21 Avenue Georges Pompidou            F69486 Lyon Cedex 03            FRANCE            Tel. (33) 4 72 13 19 00            Fax (33) 4 72 13 19 88</p>	<p><i>Elkem Silicones USA</i>            Two Tower Center Boulevard            Suite 1601            East Brunswick, NJ 08816-1100            United States            Tel. (1) 732 227 2060            Fax (1) 732 249 7000</p>	<p><i>Elkem Silicones Brazil Ltda.</i>            Av. Maria Coelho Aguiar, 215            Bloco G -1º Andar            05804-902 - São Paulo - SP -            Brazil            Tel. (55) 11 3747 7887            Fax (55) 11 3741 7718</p>	<p><i>Elkem Silicones Hong Kong</i>            Trading Co. Ltd.            Unit C, 18/F Manulife Tower            169 Electric Road            North Point-Hong Kong            Tel. (852) 3106 8200            Fax (852) 2979 0241</p>
<p><b>Warning to the users</b>            The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. Elkem SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document and Elkem SILICONES is at their disposal to supply any additional information.</p>			