

# SilicoSAN™

For acne, greasy skin and difficult complexion care  
Contains colloidal silica dermatologically tested

**Composition (INCI):** Aqua, Hydrated Silica, Silica, Ethanol (E1510), Xanthan Gum (E415), Sorbic Acid (E200), Triclosan

**Directions for use:** Before application wash affected skin area, e.g. face, chest, neckline or back with warm water and leave it wet. Apply an appropriate amount of *gelée* and allow to dry out for 5 to 10 minutes before washing it off with warm water. Start applications from twice a day for at least 4 weeks, then continue once a day. Some redness and skin tension may occur. This is quite normal and should disappear within a few minutes spontaneously. If dryness of skin occurs, a neutral moisturizing skin lotion can be used after every application. Important: **Shake well before use.**

**Mode of action:** Colloidal silica sol-gel, an active ingredient of SilicoSan, is manufactured in nano technology. It has amazing binding properties. Due to the physical forces (so called van der Waals force<sup>1</sup>) created in aqueous solution of colloidal silica it works like a magnet that binds all impurities like bacteria, their toxins, allergens, sebum, blood, water, etc., from the surface it is applied onto. One mole<sup>2</sup> of colloidal silica sol, thanks to these forces, has an adsorption<sup>3</sup> surface bigger than that of a soccer field. On the other hand silica is very inert chemically and hardly goes into chemical reactions. This makes the usage of SilicoSan so safe and this is why SilicoSan is the only preparation that can be used directly onto active purulent lesions.

**SilicoSan and Acne.** Clinical studies show that a twice-daily application with colloidal silica sol significantly reduces blackheads/whiteheads (comedones), pimples and pustules within a few weeks. Colloidal silica sol is effective at clearing acne and cleansing the skin because of its large reactive surface area. When applied as a facemask Colloidal silica sol forms a coating over the skin, and due to

its binding properties absorbs impurities, bacteria and excess sebum. It has a cooling effect on the skin, helping to reduce itching.

**SilicoSan and Cleansing.** Colloidal silica sol is not only for those suffering with acne, it is also a great revitalizing deep cleansing mask, which effectively absorbs excess oil, bacteria and other impurities leaving the skin visibly fresher and brighter. In addition, the slight lifting and tightening effect, as the gel dries on the skin, temporarily reduces the appearance of fine lines and wrinkles. Colloidal silica sol-gel is ideal for those with slightly oily skin. The facemask can be used daily over the T-zone and weekly for really deep cleansing.

**Additional remarks:** Store in room temperature (15 - 30 °C) in closed package and avoiding excessive heat. Keep out of the reach of children. People with sensitive skin or a history of allergic reaction should test product on a small area before applying. If intense redness, aching and skin irritation occurs do not use this product. Important: **Protect from frost!**

**Manufactured in European Union.** Product information: [www.phytomedica.co.uk](http://www.phytomedica.co.uk), [info@phytomedica.co.uk](mailto:info@phytomedica.co.uk)

**Available packages:** tubes à 50 ml and 100 ml.

## References:

1. Bergna HE and Williams RO Colloidal Silica Fundamentals and Applications. 2006, CRC Press Taylor & Francis Group.
2. Chouiko AA. Silicas in Medicine and Biology; Kiev - Stavropol, 1993
3. Chuiko, A.A., Ed., Medicinal Chemistry and Clinical Application of Silicon Dioxide; Naukova Dumka: Kiev, 2003
4. Hubbart A. T, Encyclopedia of Surface and Colloid Science, vol. 1, Marcel Dekker Inc. 2002.

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<sup>1</sup> **Van der Waals forces** include attractions between atoms, molecules, and surfaces. Van der Waals forces play a fundamental role in fields as diverse as nanotechnology, surface science, and condensed matter physics.

<sup>2</sup> **The mole** or gram-molecule is a unit of measurement for the amount of substance. It is a mass in grams exactly equal to that substance's molecular mass.

<sup>3</sup> **Adsorption** is the adhesion of molecules to a surface. This process creates a film of the adsorbate (the molecules being accumulated) on the surface of the adsorbent. Adsorption is a consequence of surface energy due to creation of specific forces (so called van der Waals forces) that occur between molecules in nano-distances.