Technical Data Sheet

**Sil-O-San SX 8632C**

**INCI: C20-24 Alkyl Dimethicone**

Sil-O-San SX 8632C is an universally applicable silicone wax for personal care products. This product has been developed for skin and hair care as well as make-up products. It is compatible with many organic ingredients.

Sil-O-San SX 8632C consists of a linear silicone polymer modified by alkyl chains, which are randomly distributed along the silicone backbone.

**Chemical structure:**

![Chemical structure](image)

**Typical properties:**

Sil-O-San SX 8632C is a colourless to slightly brownish component with wax-like consistency and a melting point at around skin temperature.

- Viscosity at 40 °C [mPa s] 180
- Density at 40 °C [kg/m³] 886
- Refractive index at 40 °C 1.434
- Melting point [°C] ~ 38 °C
- Colour (Hazen) at 40 °C max. 3
- Shelf life at least 12 month at normal conditions in a closed container
- Package 25 kg cans, 200 kg drums, 1000 kg container

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.
Solubility:

<table>
<thead>
<tr>
<th>Solubility at 25 °C; concentration 10 %</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>insoluble</td>
</tr>
<tr>
<td>Cyclopentasiloxane</td>
<td>dispersible</td>
</tr>
<tr>
<td>Dimethicone</td>
<td>dispersible</td>
</tr>
<tr>
<td>Paraffine oil</td>
<td>dispersible</td>
</tr>
<tr>
<td>Alcohols</td>
<td>soluble</td>
</tr>
<tr>
<td>Aromatics</td>
<td>soluble</td>
</tr>
</tbody>
</table>

Description:

Sil-O-San SX 8632C is a very efficient additive. Hence, it becomes already effective at low dosages. Sil-O-San SX 8632C combines the properties of waxes and silicones:

- good spreading and wetting
- improves the care and application properties of emulsions
- increases the der protective effect against aqueous media
- improves the gloss on skin, hair and any other surfaces
- supports the flexibility of the hair
- imparts a comfortable skin-feeling

Application:

- Sunscreen 0.9 – 3 %
- W/O and O/W emulsions 0.9 – 3 %
- Make-up products 0.3 – 1.5 %
- Lip stick + lip gloss 0.2 – 1.5 %
- Hair conditioner 0.9 – 5 %