

**HD High Performance High Concentrate Nano TiO<sub>2</sub> Sol BET surface area 160m<sup>2</sup>/g**

<b>Special properties:</b> <ul style="list-style-type: none"> <li>• high concentration water-based nano TiO<sub>2</sub> sol</li> <li>• flow agglomeration, super fine particle size</li> <li>• high stability &amp; quick gel feature</li> <li>• high surface area</li> <li>• high efficiency &amp; performance</li> </ul>	<b>Technical Information:</b> <b>Chemical description:</b> deactivated nano titanium dioxide sol <b>• appearance:</b> White aqueous slurry <b>Active matter content:</b> <b>• TiO<sub>2</sub></b> 10%(±1.5%) <b>• Water content:</b> 90% ± 1% <b>• Alcohol content:</b> 0%
<b>Example of application:</b> <ul style="list-style-type: none"> <li>• cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen)</li> <li>• paint additive (deodorization, anti-moss, air purification)</li> <li>• dye sensitized solar battery</li> <li>• air purification system (coat on reaction part, filter, duct)</li> </ul>	<b>Specification:</b> <b>• PH Value:</b> PH 7,5 - 10,5 <b>• primary particle size:</b> > 8 -11 nm <b>• crystal structure:</b> TiO <sub>2</sub> Anatase <b>• agglomeration index:</b> > 20-30 % <b>• density:</b> 1.08-1.11 g/ml <b>• Viscosity:</b> 1.0050 mPa.s <b>• BET surface area:</b> BET 160 m <sup>2</sup> /g
<b>Usage instructions:</b> <ul style="list-style-type: none"> <li>• high speed cutting and mix up</li> <li>• roller print</li> <li>• Spinning coating</li> <li>• Dipping coating</li> <li>• air mix pressure spraying</li> </ul> <b>Dosage instruction:</b> <ul style="list-style-type: none"> <li>• refer to relevant coverage data sheet or product manual</li> </ul>	<b>• Drying time at 25°C</b> Primary drying time: 30 minutes Final setting time: 30 days
<b>Transport Information</b> No Transport danger for Air, Sea, Highway and Rail, transportation of dangerous goods	<b>Registration status:</b> The ingredients are listed in the following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI
<b>Storage stability:</b> 12 months in closed container 5-45°C, dark condition. Protect solution in opened container from Oxygen. <b>Avoid freezing!</b> storind above 5°C	<b>Package:</b> 1 Kg, 10 Kg, 25Kg, Plastic barrel with carton 30 Kg, 100 Kg, 200 Kg Plastic / Polymer barrel * refer to relevant (MSDS) Material Safety Data Sheet