

**HD High Performance High Concentrate Nano TiO<sub>2</sub> Sol BET surface area 240 m<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> <table border="1"> <tr> <td><b>Chemical description:</b></td> <td>Nano titanium dioxide slurry</td> </tr> <tr> <td>• <b>appearance:</b></td> <td>White aqueous slurry</td> </tr> <tr> <td colspan="2"><b>Active matter content:</b></td> </tr> <tr> <td>• <b>TiO<sub>2</sub></b></td> <td>15 % (±2 %)</td> </tr> <tr> <td>• <b>Water content:</b></td> <td>75 % +- 1%</td> </tr> <tr> <td>• <b>Alcohol content:</b></td> <td>0%</td> </tr> </table>	<b>Chemical description:</b>	Nano titanium dioxide slurry	• <b>appearance:</b>	White aqueous slurry	<b>Active matter content:</b>		• <b>TiO<sub>2</sub></b>	15 % (±2 %)	• <b>Water content:</b>	75 % +- 1%	• <b>Alcohol content:</b>	0%								
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<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> <table border="1"> <tr> <td>• <b>PH Value:</b></td> <td>PH 7,5 - 11,0</td> </tr> <tr> <td>• <b>primary particle size:</b></td> <td>&lt; 8 -11 nm</td> </tr> <tr> <td>• <b>crystal structure:</b></td> <td>TiO<sub>2</sub> Anatas</td> </tr> <tr> <td>• <b>agglomeration index:</b></td> <td>&lt; 20-30 cps</td> </tr> <tr> <td>• <b>density:</b></td> <td>1.08-1.11 g/ml</td> </tr> <tr> <td>• <b>Viscosity:</b></td> <td>1.0050 mPa.s</td> </tr> <tr> <td>• <b>BET surface area:</b></td> <td>BET 240 m<sup>2</sup>/g</td> </tr> <tr> <td colspan="2">• <b>Drying time at 25°C</b></td> </tr> <tr> <td>Primary drying time:</td> <td>30 minutes</td> </tr> <tr> <td>Final setting time:</td> <td>30 days</td> </tr> </table>	• <b>PH Value:</b>	PH 7,5 - 11,0	• <b>primary particle size:</b>	< 8 -11 nm	• <b>crystal structure:</b>	TiO <sub>2</sub> Anatas	• <b>agglomeration index:</b>	< 20-30 cps	• <b>density:</b>	1.08-1.11 g/ml	• <b>Viscosity:</b>	1.0050 mPa.s	• <b>BET surface area:</b>	BET 240 m <sup>2</sup> /g	• <b>Drying time at 25°C</b>		Primary drying time:	30 minutes	Final setting time:	30 days
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<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>Registration status:</b> <p>respectively its ingredients are listed in following chemical inventories:  CAS, EINECS, TSCA, AICS, CEPA, MITI</p>																				
<b>Transport</b> No Transport danger for Air, Sea, Highway and Rail, transportation of dangerous goods	<b>Package:</b> <p>1 Kg, 10 Kg, 25Kg, Plastic barrel with carton  30 Kg, 100 Kg, 200 Kg Plastic / Polymer barrel</p> <p>* refer to relevant (MSDS) Material Safety Data Sheet</p>																				
<b>Storage stability:</b> 12 months in closed container under 5-45°C, dark condition. Protect Slurry in opened container from Oxygen. <b>Avoid freezing!</b> storind above 5°C																					