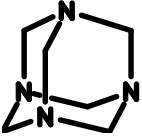


## Methenadur® Hexamethylene tetramine micronized for molding compounds



### PRODUCT INFORMATION

<b>Commercial Name:</b>	Methenadur®							
INCI Name	Methenamine							
Synonyme	Hexamethylenetetramine, Urotropine, Hexamine							
<b>Appearance:</b>	white powder							
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>12</sub> N <sub>4</sub>							
<b>CAS-No.:</b>	100-97-0							
<b>Physical. and Chemical Properties:</b>	Molecular weight:	140,19						
	Melting point:	sublimation above 280 °C						
	Density [20 °C]:	1,33 g/cm <sup>3</sup>						
	Content:	min. 96 %						
	Silica content:	2 - 3 %						
	Bulk density:	300 - 400 g/l						
	Particle size distribution:	<table border="0" style="margin-left: 20px;"> <tr> <td>&gt; 100 µm</td> <td>max. 0,2 %</td> </tr> <tr> <td>&gt; 75 µm</td> <td>max. 1,5 %</td> </tr> <tr> <td>&lt; 50 µm</td> <td>min. 90 %</td> </tr> </table>	> 100 µm	max. 0,2 %	> 75 µm	max. 1,5 %	< 50 µm	min. 90 %
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> 75 µm	max. 1,5 %							
< 50 µm	min. 90 %							
	Solubility in water	<table border="0" style="margin-left: 20px;"> <tr> <td>20 °C</td> <td>89,5 g / 100 g</td> </tr> <tr> <td>40 °C</td> <td>87,4 g / 100 g</td> </tr> <tr> <td>60 °C</td> <td>84,4 g / 100 g</td> </tr> </table>	20 °C	89,5 g / 100 g	40 °C	87,4 g / 100 g	60 °C	84,4 g / 100 g
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40 °C	87,4 g / 100 g							
60 °C	84,4 g / 100 g							
	Ignition temperature:	390 °C						

**Characteristics:** weak basic action, crystals can agglomerate even with an extremely low moisture content, the finer grained these crystals are, the stronger is this tendency. The agglomeration is favored by pressure and heat as well as by high relative atmospheric humidity.

<b>Application:</b>	Ammonia and formaldehyde donor in the production of phenol and urea formaldehyde resins.
<b>Handling:</b>	Methenadur® when mixed with air, tends to generate dust explosions. Be absolutely sure that static electricity is discharged and that the dust is completely removed by an exhaust system !
<b>Storage:</b>	Although Methenadur® is moisture-sensitive, it is not hygroscopic. It should be stored in the driest possible atmosphere at relative humidities below 50 %, especially bags which have been opened should most expediently be sealed air-tight and stored without pressure applied to them.
<b>Delivery form:</b>	500 kg bulk bag paper bag, 3-ply, with PE lining, 25 kg net wt.
<b>Reference on Hazards:</b>	Dangerous good. Hazard characteristics according to article 26 directive 67/548/EEC „Highly flammable“, „Harmful“ Please refer to our Safety Data Sheet

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METHENADUR04E	15.10.03	M&S/Ru	replaces version: METHENADUR03E
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