

**STANDARD SPECIFICATION SHEET**  
**CARBOXYMETHYL STARCH SODIUM (CMS)**  
**Chemtech Product Code 40**

<p><b>Formula:</b>  <b>Synonyms:</b>  <b>CAS No:</b>  <b>EINECS No:</b></p>	<p>Carboxymethyl Starch Sodium; CMS-Na    9063-38-1</p>												
<p><b>Specification:</b></p>	<table border="0"> <tr> <td>Moisture, %</td> <td>15.0 max.</td> </tr> <tr> <td>NaCL, %</td> <td>12.0 max.</td> </tr> <tr> <td>Degree of Substitute</td> <td>0.15 min.</td> </tr> <tr> <td>PH</td> <td>9.0±1.0</td> </tr> <tr> <td>Filter loss</td> <td>10 max.</td> </tr> <tr> <td>Viscometer 600r/min</td> <td>20 max.</td> </tr> </table> <p>NOTE: The parameters can be adjusted as per requirements.</p>	Moisture, %	15.0 max.	NaCL, %	12.0 max.	Degree of Substitute	0.15 min.	PH	9.0±1.0	Filter loss	10 max.	Viscometer 600r/min	20 max.
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<p><b>Use:</b></p>	<p>CMS is an effective "economical" Fluid Loss Control agent for water-based drilling fluids. Increasing additions of CMS can cause an increase in desired viscosity. Used of CMS does not require any biocide treatment in normal drilling fluid operations. CMS is typically unaffected by normal solids concentrations and products a tough, slick filter cake, which promotes a reduction in friction and potentially increases drilling rates. CMS may be less effective in high levels of Mg and Ca ions and it is recommended that all "high hardness" be treated out prior to CMS addition.</p>												
<p><b>Packing:</b></p>	<p>25kg bag.</p>												